

UPMC University of Pittsburgh Medical Center

UPMC Presbyterian Shadyside

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U.S. Nuclear Regulatory Commission Region I 475 Allendale Road King of Prussia, PA 19406

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UPMC Presbyterian 200 Lothrop Street Pittsburgh, PA 15213

UPMC Shadyside 5230 Centre Avenue Pittsburgh. PA 15232

Dear Madams/Sirs: 10 CFR 35.14 notification letter, License No. 37-02523-01 02003021 02003021

Please consider the attached information in support of the notification under 10 CFR 35.14 for the following authorized user addition to License 37-02523-01. Supporting documentation is enclosed.

Item 12 B, Authorized Users

Please add:

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Ashok Muthukrishnan, M.D. for byproduct material identified in 10 CFR 35.100, 10 CFR 35.200 and 10 CFR 35.300.

Dr. Muthukrishnan is certified in Nuclear Medicine by the American Board of Nuclear Medicine. Documentation is enclosed. Dr. Muthukrishnan has been named as authorized for use of diagnostic and therapeutic radionuclides encompassing these activities and sources on the University of Pittsburgh radioactive materials license (RSO authorization and preceptor enclosed). Also enclosed is affidavit of approval by James Terwilliger, Vice President UPMC Presbyterian Shadyside.

Should you have any questions regarding this request, please contact me at (412) 623-1052. Thank You.

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Sincerely,

Ronald Scala, MS Radiation Safety Officer UPMC Presbyterian Shadyside Hospital License No. 37-02523-01

enclosures

cc: RSC file



Scala, Ronald

From:Reeder, Kathy on behalf of Terwilliger, JamesSent:Wednesday, June 28, 2006 11:37 AMTo:Scala, RonaldCc:Terwilliger, JamesSubject:Approval

I approve Dr. Ashok Muthukrishnan for human uses of radioactive material and radiation sources.

The American Board of Nuclear Medicine Certifies that Incorporated 1971

Ashok Muthukrishnan

during the period of 2005 through 2015 to practice as a Specialist has met the requirements of this Board and is qualified in all aspects of Clinical and Laboratory

Nuclear Medicine

In Vivo Measurements & Therapy with Unsealed Radionuclides including but not limited to Radiobioassay, Nuclear Imaging,

om R. Miller Chairman

anthe Vale

Secretary-Treasurer

United States Number

07526

UNIVERSITY OF PITTSBURGH AUTHORIZED USER CERTIFICATION FOR HUMAN USES OF RADIOACTIVE MATERIAL AND RADIATION SOURCES NRC License No. 37-00245-02 and PA License No. PA-190

New Application

Renewal

1. PHYSICIAN IDENTIFICATION

Name: ASHOK MUTHUKRISHNAN	Degree: MD, MS
Department: Nuclear Medicine, Radiology	Title: Asst. Professor
Office Location: Room PUH E-177	V
Office Phone: (412) 647-0104	E-mail: muthukrishnana Qupmi eAu

2. TRAINING AND EXPERIENCE WITH RADIONUCLIDES AND RADIATION SOURCES

Submit the following information in support of the qualification requirements for the human use of radioactive material and radiation sources (Required for new applicants only):

- A. Current copy of Curriculum Vitae
- B. Copy of applicable Medical Board Certification(s)
- C. Preceptor/Attestation Statement of physician's classroom, laboratory, and clinical training and experience with radioactive material, signed by the supervising Authorized User (NRC Form 313A).

List recent clinical experience in the use of radionuclides and/or radiation sources for diagnostic and therapeutic procedures (**Required for all applicants**):

Type of Use	Location	Dates
- Diagnosis (F18-FDG)	UPMC Pressbytinan	July 1, 05 till date
- Diagnostic & theopy I-131		They 2003 - July 2005
- Diognosti (Tc-99m)	UAB Univ. of Alabama	July 2003-July 2005
- Y- 90 yeverlin (the apy)	UAB Univing Alabama	July 2003 - July 2003

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3. AUTHORIZED USES

List the types of medical use for which specific authorization is requested:

- A. Radioactive material for diagnostic human use involving uptake, dilution, and excretion studies (10 CFR 35.100)
- B. Radioactive material for diagnostic human use involving imaging and localization studies (10 CFR 35.200)
- C. Radioactive material for diagnostic and therapeutic use in humans for which a written directive is required (10 CFR 35.300)
- D. Y-90 TheraSpheres, Y-90 SIR-Spheres (10 CFR 35.1000)
- E. _____

4. CONDITIONS ON THE USE OF RADIONUCLIDES AND RADIATION SOURCES

- A. This authorization is limited to the use of radionuclides and radiation sources approved under the UPMC Nuclear Medicine Joint Authorization.
- B. All policies, procedures, and conditions contained in the currently approved UPMC Nuclear Medicine Joint Authorization application must be followed.
- C. Physician must complete internal training and instruction requirements for the use of Y-90 TheraSpheres and Y-90 SIR-Spheres.

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RAD SAFETY

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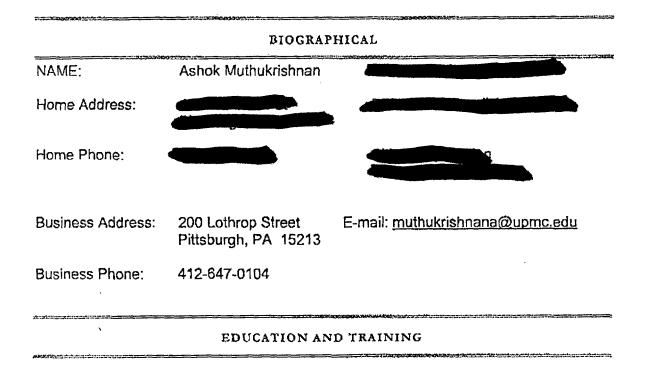
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		F	Radiation Safety Off	cer Authorize	d Nuclear Pharmac	cist
•	pervisor meets requirements		and a second			•
for r	medical uses in Part 35, Sect	ion(s)	15.100 25.	200, 35.300		<u> </u>
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Ashok Muthukrishnan, MD, MS

200 Lothrop St Department of Radiology, University of Pittsburgh Medical center Pittsburgh, PA 15213 2 412-329-4286 <u>muthukrishnana@upmc.edu</u>



GRADUATE

August 1989 - December 1993 Medical education and training- Chingleput Medial College, The Tamilnadu Dr.MGR Medical University, Madras INDIA

January 1994 - January 1995 Internship, Chingleput Medial College Hospital, The Tamilnadu Dr.MGR Medical University, Madras INDIA

POSTGRADUATE

January 1995 - December 1997 Postgráduate training in Internal Medicine, Stanley Medical College & Hospital, Chennai 600 001 INDIA.

> PERSONAL INFORMATION WAS REMOVED BY NRC. NO COPY OF THIS INFORMATION WAS RETAINED BY THE NRC.

January 1998 - July 2000

Postgraduate training in nuclear medicine – Dept. of Nuclear Medicine, Christian Medical College & Hospital, Vellore 632004 INDIA

August 2001- June 2003

Master of Science Health Informatics (Health Information Management), Dept. of Health Services Administration, School of Health Related Professions, University of Alabama at Birmingham, AL 35294 USA

July 2003 – July 2005

Post graduate training in Nuclear Medicine, University of Alabama at Birmingham Medical Center/ Birmingham Veteran Affairs Hospital, Birmingham, AL 35249 USA

July 2005 – July 2006

Clinical Fellowship in P.E.T./ Nuclear medicine, Department of Radiology, University of Pittsburgh medical center, Pittsburgh, PA 15213 USA

APPOINTMENTS

August 2000 - August 2001

Nuclear medicine Physician- Dept. of Nuclear Medicine, Govt. General Hospital, Pondicherry 605001 INDIA.

CERTIFICATIONS AND LICENSURE

SPECIALTY CERTIFICATION

Certifying Board

American Board of Nuclear Medicine (ABNM, certification # 07526) ECFMG/USMLE Year

2005 valid until 2015 1996 indefinitely valid

MEDICAL LICENSURE:

Country/State	License #	Year	
Michigan (unrestricted)	4301086679	2005	
Pennsylvania (unrestricted)	MD428793	2006	
India (unrestricted)	55552	1995	