

MATERIALS LICENSE

Amendment No. 14

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.

301940

Licensee		In accordance with letters dated October 8, 1996 and October 24, 1996	
1. DeKalb Memorial Hospital, Inc.		3. License Number: 13-18506-01 is amended in its entirety as follows:	
2. P.O. Box 542 Auburn, IN 46706		4. Expiration Date: June 30, 2003	
		5. Docket or Reference No.: 030-13805	
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 identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed	
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200 (excluding xenon-133)	B. As needed	
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. As needed (Not to exceed 1 curie of iodine-131)	
9. Authorized Use:			
A. Medical use described in 10 CFR 35.100.			
B. Medical use described in 10 CFR 35.200 (excluding xenon-133).			
C. Medical use described in 10 CFR 35.300.			

CONDITIONS

10. Location of use: East Seventh Street, Auburn, Indiana.

oh
2 ml
30
SD

COPY

270128
9611290034 961105
PDR ADDOCK 03013805
C PDR

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

13-18506-01

Docket or Reference Number

030-13805

Amendment No. 14

11. A. Radiation Safety Officer: Fouad A. Halaby, M.D.
- B. Robert A. Conner, M.D., may act as the Alternate Radiation Safety Officer in the physical absence of Fouad A. Halaby, M.D.
12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized UsersMaterial and Use

- | | |
|---------------------------|---|
| A. Robert A. Conner, M.D. | 10 CFR 35.100 and 35.200 (excluding xenon-133). |
| B. Edward C. Weber, D.O. | 10 CFR 35.100 and 35.200 (excluding xenon-133). |
| C. Fouad A. Halaby, M.D. | 10 CFR 35.100, 35.200 (excluding xenon-133) and 35.300. |
| D. Francis O'Connor, M.D. | 10 CFR 35.100 and 35.200 (excluding xenon-133). |
13. 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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. 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 April 26, 1988; and
- B. Letters dated February 7, 1989 and October 8, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

November 5, 1996

By

Lillian C. Casey

Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02120
Status Code: 0
Fee Category: 7C 2B
Exp. Date: 20030630
Fee Comments: CODE 23
Decom Fin Assur Req'd: N

56

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: DEKALB MEMORIAL HOSPITAL, INC.
Received Date: 961011
Docket No: 3013805
Control No.: 301940
License No.: 13-18506-01
Action Type: Amendment

2. FEE ATTACHED

Amount: 440
Check No.: 070549

3. COMMENTS

Signed
Date

S. Hersey
10-15-96

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

1. Fee Category and Amount:

7C 2B 440

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

Amendment
Renewal
License

3. OTHER

Signed
Date

Sc
10/22/96

OCT 28 1996

Log	OCT 8 III
Remitter	
Check No.	70549
Amount	440
Fee Category	7C 2B
Type of Fee	AMD
Date Check Rec'd	10/21/96
Date Completed	10/22/96
By	Sc

1996 OCT 21 AM 11:40

DeKalb Memorial

Hospital, Inc.

1316 East Seventh Street • Auburn, IN 46706 • (219) 925-4600

October 8, 1996

United State Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351

RE: USNRC Materials License No. 13-18506-01

Dear Sir/Madam:

Please amend USNRC Materials License No. 13-18506-01 to reflect a change in the appointment of Radiation Safety Officer, and alternate Radiation Safety Officer. We are requesting to remove **Raymond W. Gize, M.D.**, as Radiation Safety Officer and authorized user on this license effective immediately. We would also like to remove **Phillip D. Godsey, MD.**, as an authorized user as well.

The Radiation Safety Committee met on October 1, 1996 in accordance with 10 CFR 35.22 (b)(2)(I) and 10 CFR 35.22 (b)(2)(ii), and appointed **Fouad A. Halaby, M.D.**, as the new Radiation Safety Officer. In addition, we would like to add:

- (1) **Robert A. Conner, M.D.**, as an authorized user licensed for 35.100 and 35.200 materials (excluding Xenon 133) and as an alternate Radiation Safety Officer who can act as Radiation Safety Officer in the physical absence of Dr. Halaby. Dr. Conner appears on USNRC Materials License No. 13-26508-01 as an authorized user at The Imaging Center located at 7631 W. Jefferson Blvd., Fort Wayne, Indiana 46804.
- (2) **Francis O'Connor, MD.**, as an authorized user licensed for 35.100 and 35.200 materials (excluding Xenon 133). Dr. O'Connor appears on USNRC Materials License No. 13-26508-01 as an authorized user at The Imaging Center located at 7631 W. Jefferson Blvd., Fort Wayne, Indiana 46804.
- (3) **Edward C. Weber, D.O.**, as an authorized user licensed for 35.100 and 35.200 materials (excluding Xenon 133). Dr. Weber appears on USNRC Materials License No. 13-26133-01 as an authorized user at Adams County Memorial Hospital, located at 805 High Street, Decatur, Indiana 46733.

An amendment fee of \$440 is enclosed to cover this amendment request.

RECEIVED

OCT 11 1996

REGION III



pm 10-8-96

OCT 11 1996

301940

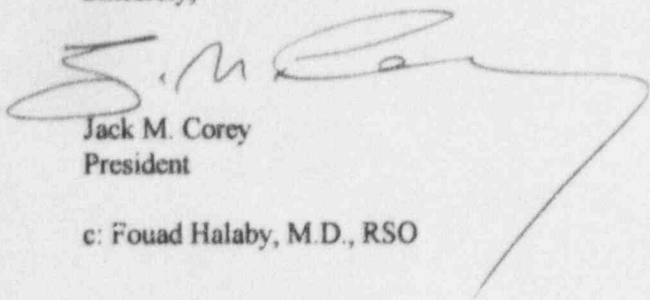
USNRC

October 8, 1996

Page: 2

If you have any questions, please feel free to contact Paula Fitch, Director Radiology Services, Richard Ring, Director Ancillary Services at 219-925-4600 or Edward E. Wroblewski, CNMT, RT(R) Nuclear Medicine consultant at 313-662-3197.

Sincerely,

A handwritten signature in black ink, appearing to read "J. M. Corey", with a long, sweeping horizontal line extending to the right.

Jack M. Corey
President

c: Fouad Halaby, M.D., RSO

NOV 06 1996

Jack M. Corey, President
DeKalb Memorial Hospital
P.O. Box 542
Auburn, IN 46706

Dear Mr. Corey:

Enclosed is Amendment No. 14 to your NRC Material License No. 13-18506-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

- A. In preparing this amendment, we took the opportunity to update and reformat your license as discussed below. These changes were essentially administrative modifications only that should have no effect on your licensed program.

Subitems A.1., A.2., A.3. and A.4. of this letter were discussed in telephone conversations between Colleen Casey and Paula Fitch, Deborah Claxton and Edward Wroblewski on October 24, 1996.

1. Please note that, at this time, we changed the expiration date in item no. 4 of your license to reflect the one-time extension of your license, in accordance with 10 CFR 30.36(a)(2), copy enclosed. You should have received additional correspondence from us concerning this regulation and its effects on your license.
2. We deleted Condition No. 13., as it appeared on Amendment No. 13, which authorized the possession, use, transfer and import of up to 999 kilograms of depleted uranium (DU) contained as shielding material for generators.

We have been advised that you may be subject to additional annual fees if you retained the DU authorization on your license, although it is highly unlikely that your licensed program would need this authorization. In light of these considerations, Ms. Claxton directed us to remove the DU authorization from your license during the telecon on October 24, 1996.

3. We deleted Condition No. 14., as it appeared on Amendment No. 13, because the regulations in 10 CFR 30.35(g) contain the same provision. Therefore, this Condition is no longer necessary.
4. At this time, we limited your authorization for iodine-131, as listed in 10 CFR 35.300 and Item 8.C., in order to preclude your having to file an emergency plan, per 10 CFR 30.32(i) and 30.72, enclosed. Your total

301940

possession limit for iodine-131 is one curie and includes waste activity also. Ms. Claxton advised us of the possession limit you wish to have for iodine-131 in the telecon on October 24, 1996.

5. If your understanding differs from ours in any of these matters, or if you have questions concerning this amendment, please contact Colleen C. Casey at (630) 829-9841.
- B. Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:
1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
 2. Notify NRC, in writing, within 30 days:
 - a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
 3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
 4. Request and obtain a license amendment before you:
 - a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;
 - b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;
 - c. Change Radiation Safety Officers;
 - d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or

- f. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,
Original Signed By
Coileen C. Casey
Nuclear Materials Licensing Branch

License No.: 13-18506-01

Docket No.: 030-13805

Enclosures: 1. Amendment No. 14
2. 10 CFR Part 30
3. 10 CFR Part 35
4. NRC Form 313

DOCUMENT NAME: M:\03013805.CL6

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII <i>CC</i>								
NAME	CCASEY:jaw								
DATE	10/1/96								

OFFICIAL RECORD COPY

CONVERSATION RECORD

TIME VARIOUS DATE 10/24/96

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☒ INCOMING

☒ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU Deborah Claxton + Paula Bitch

ORGANIZATION (Office, dept., bureau, etc.) DeKalb Mem Hosp

TELEPHONE NO. 219-925-4600

Ed Wrablewski, com attant

MPC

313-662-3197

SUBJECT

L/N 13-18506-01 C/N 30/940

ROUTING

NAME/SYMBOL

INT

SUMMARY

I discussed updates + license adjustments made, esp. limiting F-13/ in Item 8.C. to 1 G + deletion of L/C's 13 + 14. I advised that Dr. F. O'Connor did not appear on The Imaging Center's license. Ed W. sd Dr. O'Connor's Agreement State license was sent to us as notification ^{10 CFR} (35.13435.1) so they thought he was on the license. I explained that, until that license is amended Dr. O'Connor may work under it but is not formally named on it. So licensee faxed Dr. O'Connor's credentials to me and they were adequate so I named him to this license now.

ACTION REQUIRED

Prep. amend No. 14.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Lollan C. Casey

10/25/96

ACTION TAKEN

SIGNATURE

TITLE

DATE

50271-101

U.S. G.P.O. 1983-381-526/8346

CONVERSATION RECORD

OPTIONAL FORM 271 (12-76)
DEPARTMENT OF DEFENSE



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

October 22, 1996

Fouad A. Halaby, M.D.
Radiation Safety Officer
DeKalb Memorial Hospital, Inc.
P. O. Box 542
Auburn, IN 46706

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 10/08/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License ☒ Amendment ☐ Renewal
☐ Termination ☐ Auth User (Amendment not required)
☐ Other _____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 301940
License No. 13-18506-01

DeKalb Memorial

Hospital, Inc.

1318 East Seventh Street • Auburn, AL 36809 • (218) 925-4800

COVER SHEET - FACSIMILE TRANSMISSION

Date: 10-24-96 Time: 2:35 A.M. P.M.Sent To: Authorized Receiver's Name: _____
Company: _____
Address: _____
Fax Number: _____ Phone Number: _____

Sender's Name: _____

Fax Number: (218) 930-515-1259Number of Pages (including this cover page): 9Comments: _____

_____**WARNING: CONFIDENTIALITY NOTICE**

This cover page and the materials enclosed with this transmission are the private confidential property of the sender, and the materials are privileged communications intended solely for the receipt, use, benefit, and information of the intended recipient indicated above. IF YOU ARE NOT THE INTENDED RECIPIENT, you are hereby notified that any review, disclosure, copying, distribution, or the taking of any other action in reliance on the contents of this transmission is strictly prohibited, and may result in legal liability on your part. If you have received this transmission in error, please notify the sender immediately at the above telephone number and arrange for return of this transmission to the sender.

IF YOU DID NOT RECEIVE ALL THE PAGES INDICATED, PLEASE CONTACT THE SENDER AT (9) 925-4600 EXT. _____ IMMEDIATELY.

Time for a note...



ATT: COLLEEN CASEY
NRC

CONTROL # 301940
AMENDMENT REQUEST

ENCLOSED PLEASE FIND
INFORMATION REQUESTED
CONCERNING DR O'CONNOR

THANK-YOU

Taking time to say
"thank you"
to health care providers

MetLife Resources
A Division of MetLife Insurance Company
New York, New York

4503LFD (Rev0397) MLC:LD
00-000-107 9999(11/95)

Schulz



PEANUTS © United Feature Syndicate, Inc.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL **RADIOACTIVE MATERIAL LICENSE**

Pursuant to the Atomic Energy and Radiation Control Act, Section 13-7-40 et. seq. of S. C. Code of Laws of 1976, as amended, and Supplements thereto, and the South Carolina Department of Health and Environmental Control Regulation 61-63, Radioactive Material (Title A), and in reliance on statements and representations heretofore made by the applicant, a license is hereby issued authorizing the licensee to receive, acquire, 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 and regulations of the South Carolina Department of Health and Environmental Control now or hereafter in effect and to any conditions specified below.

LICENSEE		Amendment No. 28 amends
1. Name Spartanburg Regional Medical Center	3. License Number 086-01	
2. Address 101 East Wood Street Spartanburg, SC 29303	4. Expiration Date September 30, 1992	
5. Radioactive Material (Element and Mass Number)	6. Chemical and/or Physical Form	7. Maximum Radioactivity and/or quantity of ma- terial which licensee may possess at any one time.
A. Any radioactive material identified in RHA 4.9.1, Part IV, Department Regulation 61-63.	A. Any radiopharm- aceutical identified in RHA 4.9.1, Department Regulation 61-63.	A. As needed.
B. Any radioactive material identified in RHA 4.10.1, Part IV, Department Regulation 61-63.	B. Any radiopharm- aceutical identified in RHA 4.10.1, Department Regulation 61-63.	B. As needed.
C. Any radioactive material identified in RHA 4.11.1, Part IV, Department Regulation 61-63.	C. Any radiopharm- aceutical identified in RHA 4.11.1, Department Regulation 61-63.	C. As needed. (Not to exceed 10 curies of Iodine 131)
D. Any radioactive material identified in RHA 2.4.3, Part II, Department Regulation 61-63.	D. Prepackaged kits.	D. As needed.
E. Any radioactive material identified in RHA 4.13.1, Part	E. Any brachytherapy source identified in RHA 4.13.1, Department	E. As needed.

Page 3 of 4 PagesSOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Material License
Supplementary SheetLicense Number 086-01Amendment No. 28

- D. Larry K. Totten, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 4.11.1 and RHA 2.4.3, Department Regulation 61-63.
- E. Michael F. Patton, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, and RHA 2.4.3, Department Regulation 61-63.
- F. John D. Thronburg, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 4.11.1 and RHA 2.4.3, Department Regulation 61-63.
- G. Robert J. Caswell, M.D. for medical uses identified in RHA 4.9.1 and RHA 4.10.1, Department Regulation 61-63.
- H. Robert E. Mitchell, M.D. for medical uses identified in RHA 4.13.1, Department Regulation 61-63.
- I. Joella F. Utley, M.D. for medical uses identified in RHA 4.13.1, Department Regulation 61-63.
- J. John S. Featherstone, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 4.11.1, RHA 4.13.1 and RHA 2.4.3, Department Regulation 61-63.
- K. Julian C. Josay, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 4.11.1, RHA 4.13.1 and RHA 2.4.3, Department Regulation 61-63.
- L. Frederick G. Phillips, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 4.11.1, RHA 4.13.1 and RHA 2.4.3, Department Regulation 61-63.
- M. Kevin Francis O'Connor, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 2.4.3, Department Regulation 61-63 and Iodine 131 for diagnosis and treatment of hyperthyroidism, cardiac dysfunction and thyroid carcinoma.
- N. Penelope Galbraith, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 2.4.3, Department Regulation 61-63 and Iodine 131 for diagnosis and treatment of hyperthyroidism, cardiac dysfunction and thyroid carcinoma.
- O. Jay Thomas Keuper, M.D. for medical uses identified in RHA 4.9.1, RHA 4.10.1, RHA 2.4.3, Department Regulation 61-63 and Iodine 131 for diagnosis and treatment of hyperthyroidism, cardiac dysfunction and thyroid carcinoma.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Material License
Supplementary SheetLicense Number 086-01Amendment No. 28

13. The licensee may hold radioactive material with a physical half life of less than 65 days for decay-in-storage before disposal in ordinary trash. For radioactive material disposed of in this manner, the licensee shall maintain a record of each disposal for two years. The record must include the date of disposal, the date on which the material was placed in storage, the model and serial number of the survey instrument used, the background exposure rate, the radiation exposure rate measured at the surface of each waste container, and the name of the individual who performed the disposal. This waste shall be held for decay a minimum of ten half lives and its radioactivity shall be undistinguishable from background radiation levels at the time of disposal.
14. Except as specifically provided otherwise in this license and except as provided by RHA 4.7.8, Department Regulation 61-63, the licensee shall conduct his program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures listed below. The Department'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 August 29, 1987.

Date of Issuance September 12, 1990For The South Carolina Department
of Health And Environmental ControlBY: H. G. Shady

Chief

APPLICATION FOR RADIOACTIVE MATERIAL LICENSE

TRAINING AND EXPERIENCE OF AUTHORIZED USER
SUPPLEMENT A-HUMAN USE

1. NAME OF AUTHORIZED USER KEVIN FRANCIS O'CONNOR		2. STATE OF RESIDENCY WHICH LICENSED TO PRACTICE MEDICINE	
3. SPECIALTY BOARD A		4. CERTIFICATION B	
AMERICAN BOARD OF RADIOLOGY		C MONTH AND YEAR CERTIFIED JUNE, 1990	
5. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES			
6. FIELD OF TRAINING A	7. LOCATION AND DATE(S) OF TRAINING B	8. TYPE AND LENGTH OF TRAINING C	
A. RADIATION PHYSICS AND INSTRUMENTATION	MEDICAL UNIV OF SC 1986 - 890	LECTURE LABORATORY COURSES HOURS	SUPERVISE LABORATORY EXPERIEN. HOURS
B. RADIATION PROTECTION	" "	30	5
C. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	" "	20	
D. RADIATION BIOLOGY	" "	20	
E. RADIOPHARMACEUTICAL CHEMISTRY	" "	20	10

DHEC 814 (11/81)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
APPLICATION FOR RADIOACTIVE MATERIAL LICENSE
Supplement - Human Use

This page may be completed by the physician's preceptor (if any) in the medical use of radioisotopes. When the information is not furnished by the preceptor, the name and present address of the preceptor (if any) should be shown in item 3 below.

3.(a) USING PHYSICIAN'S NAME

(b) ADDRESS OF APPLICANT

KEVIN FRANCIS O'CONNOR

8.(a) CLINICAL TRAINING AND EXPERIENCE OF PHYSICIAN WHO WILL USE RADIOACTIVE MATERIAL

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	TYPE OF PARTICIPATION FOR ALL CASES IN CO- ordinate equal hours numbers of items in consideration as set forth below			
			D			
I-123 or I-125	DIAGNOSIS OF THYROID FUNCTION	7	(1)	(2)	(3)	4
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	6	1	2	(3)	(4)
	LIVER FUNCTION STUDIES		1	2	3	
	PAT ABSORPTION STUDIES		1	2	3	
	KIDNEY FUNCTION STUDIES	173	(1)	(2)	(3)	(4)
OTHER	IND - III WBC STUDIES	32	1	2	(3)	(4)
	CR - 51 RBC STUDIES	6	1	2	3	
Tc-99m	SCROLLING TEST	9	1	2	(3)	(4)
I-123	THYROID IMAGING	4	(1)	(2)	(3)	(4)
Ti-201	PARATHYROID	19	(1)	(2)	(3)	(4)
Ti-201	MYOCARDIAL IMAGING	203	(1)	(2)	(3)	(4)
Yb-180	CISTERNOGRAPHY & IN DTPA	5	(1)	(2)	(3)	(4)
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	71	(1)	(2)	(3)	(4)
OTHER	GA-67 IMAGING	60	1	2	(3)	(4)
Tc-99m	BRAIN IMAGING INC SPECT	12	1	2	3	4
	CARDIAC IMAGING C PYP	7	1	2	3	4
	THYROID IMAGING	35	1	2	3	4
	HEPATO BILIARY	47	1	2	3	4
	BLOOD POOL IMAGING MUGA	150	1	2	3	4
	RENAL IMAGING	312	1	2	3	4
	LIVER AND SPLEEN IMAGING	58	1	2	3	4
	LUNG IMAGING	80	1	2	3	4
OTHER	BONE IMAGING	312	1	2	3	4
OTHER	GI STUDIES	52	1	2	3	4

KEY TO COLUMN D
PERSONAL PARTICIPATION SHOULD CONSIST OF:

1. Examination of patients to determine suitability for radioisotope diagnosis and/or treatment and recommendations on to be prescribed.
2. Collaboration in calibration and administration of dosages including related measurements and plotting of data.
3. Active period of training and experience of sufficient duration to permit followup of patients through treatment and post-treatment period including reevaluation as to effectiveness and complications.
4. Study and discussion of case histories to establish most efficacious diagnostic and/or therapeutic techniques for the radioisotope use.

DHEC 814 (11/81)

PRECEPTOR STATEMENT (Continued)
CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	TYPE OF PARTICIPATION FOR ALL CASES IN COLL (insert appropriate numbers of hours in accordance with see form below)			
			1	2	3	4
P-32 (Sodium)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		1	2	3	4
P-32 (Cobalt-60)	INTRACAVITARY TREATMENT		1	2	3	4
I-131	TREATMENT OF THYROID CARCINOMA TREATMENT OF HYPERTHYROIDISM AND CARDIAC CONDITION	5 10	1	2	3	4
Am-241	INTRACAVITARY TREATMENT		1	2	3	4
Co-60 or Co-137	INTERSTITIAL TREATMENT		1	2	3	4
	INTRACAVITARY TREATMENT		1	2	3	4
I-125 or Ir-192	INTERSTITIAL TREATMENT		1	2	3	4
Co-60 or Co-137	TELETHERAPY TREATMENT		1	2	3	4
Sr-90	TREATMENT OF EYE DISEASE		1	2	3	4
	RADIOPHARMACEUTICAL PREPARATION		1	2	3	4
Mo-99/ Tc-99m	GENERATOR	5	1	2	3	4
Sr-90/ Y-90	GENERATOR		1	2	3	4
Tc-99m	REAGENT KITS	5	1	2	3	4
OTHER						

7. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING

Line 87
February 1988
March 1988

July 1989
Dec 1989
June 1990

This does not include the many hours spent in
the 4-year residency in the nuclear medicine
imaging conference.

8. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:		9. PRECEPTOR'S SIGNATURE
a. NAME OF SUPERVISOR LEONIE GORDON		<i>Leonie Gordon</i>
b. NAME OF INSTITUTION MED UNIV OF SC		
c. MAILING ADDRESS 171 ASHLIN AVE		10. PRECEPTOR'S NAME (Please type or print)
d. CITY CHAS SC 29425		LEONIE GORDON
MATERIALS LICENSE NUMBER(S) 081-01		11. DATE
		6-21-90

DEKALB
Department of Health and Environmental Control
2800 Bull Street, Columbia, SC 29201

3570

The Imaging Center

Board: John B. Pale, MD, Chairman
William E. Applegate, III, Vice Chairman
John H. Buntis, Secretary

Promoting Health, Protecting the Environment

Toney Graham, Jr., MD
Richard E. Jabbar, DDS
Henry S. Jordan, MD
Curtis B. Spivey, Jr.

October 16, 1990

James L. Duncan, Jr., M.D.
Mary Black Memorial Hospital
1700 Skylyn Drive
Spartanburg, SC 29804


Dear Dr. Duncan:

In accordance with your request dated August 27, 1990, your S.C. Radioactive Material License No. 141 has been amended. The enclosed license has been amended in its entirety by License Amendment No. 16 and supersedes the original license and all previous amendments.

All nuclear medicine licenses are being amended in their entirety to conform to the newly revised Part IV of Regulation 61-63, Radioactive Materials (Title A), which in effect eliminates the medical groups concept. You should review the new Part IV closely since it now incorporates major requirements for use of radioactive material in the health profession.

If you have any questions regarding your license, please do not hesitate to contact our office at (803) 734-4700.

Very truly yours,


Virgil R. Autry, Director
Division of Radioactive Material
Licensing and Compliance
Bureau of Radiological Health

DLK/ac

Enclosure