MATERIALS LICENSE

Amendment No. 39

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. University of Virginia Rectors and Visitors Office of Environmental Health and Safety	In accordance with letter dated **November 20, 1996** 3. License Number 45-00034-09 is **amended** in its entirety to read as follows:
2. PO Box 3425, Edgemont Road Charlottesville, Virginia 22903	4. Expiration Date **March 31, 2002 (Extended)**
	5. Docket or Reference No. 030-00510

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. Cobalt 60	A. Sealed teletherapy source registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation	A. 2 sources not to exceed 9500 curies each and 19000 curies total
B. Depleted uranium	B. Metal shielding and teletherapy components	B. 140 kilograms

9. Authorized Use:

A. One source contained in a Theratronics (formerly AECL) Model 780C teletherapy unit (registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation) for medical use identified in 10 CFR 35.600 and for non-human use in research studies on animals and inanimate materials (except explosives and food for human consumption) and for demonstration and training of personnel. **One source in its shipping container for possession incident to source replacement.**

B. For use as shielding in a medical teletherapy unit.

CONDITIONS

10. Licensed material shall be used at the University of Virginia Hospital West, Division of Radiation Oncology, Main Floor, Room B-961A, Jefferson Park Avenue, Charlottesville, Virginia.

11. The Radiation Protection Officer for this license is Harold W. Berk, Ph.D., or in his absence, Richard G. Piccolo, Alternate Radiation Protection Officer.

200027

(continued) CONDITIONS

12. Teletherapy Physicists:

A. Suresh K. Agarwal, Ph.D.

B. Harold W. Berk, Ph.D.

C. Alan Aqualino, Ph.D.

D. Janelle Williams, Ph.D.

13. Licensed material shall be used by, or under the supervision of:

A. William Constable, M.D., for medical use identified in 10 CFR 35.600.

B. James Mitchell Larner, M.D., for medical use identified in 10 CFR 35.600.

C. Maria D. Kelly, M.D., for medical use identified in 10 CFR 35.600.

D. Suresh K. Agarwal, Ph.D., for non-human use.

E. Harold W. Berk, Ph.D., for non-human use.

F. Alan Aqualino, Ph.D., for non-human use.

G. Janelle Williams, Ph.D., for non-human use.

H. Bernard Schneider, M.D., for medical use identified in 10 CFR 35.600.

I. Tyvin Rich, M.D., for medical use identified in 10 CFR 35.600.

14. Sealed sources containing licensed material shall not be opened by the licensee.

15. The device manufacturer's instruction manual for Theratronics International Model 780C shall be followed and the licensee shall make copies available to each person using or having responsibility for use of licensed material.

16. The licensee is exempted from the decommissioning financial assurance requirement for possession of licensed material in sealed sources in quantities greater than the limits in 10 CFR 30.25(d), for the purpose of source changes only. The exemption is granted for no more than thirty days for any one source change.

17. The licensee shall maintain records of information important to safe and effective decommissioning at the licensee's facilities specified in Condition No. 10 pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

License Number 45-00034-09

Docket or Reference Number 030-00510

Amendment No. 39

MATERIALS LICENSE
SUPPLEMENTARY SHEET

(continued)

CONDITIONS

18. Except as specifically provided otherwise in this licensee and except as provided by 10 CFR 35.31, the licensee shall conduct it's program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The 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 August 27, 1991

B. Letters dated:

(1) August 22, 1991
(2) October 22, 1991
(3) March 12, 1992
(4) October 28, 1992 [add new users]
(5) October 13, 1993 [teletherapy survey]
(6) November 24, 1993 [additional survey information]
(7) November 20, 1996 [Remove one teletherapy physicist and four authorized users; Addition of one teletherapy physicist and three authorized users]
(8) December 17, 1996 [Additional information regarding the training and qualifications of a teletherapy physicist]
(9) January 15, 1997 [Facsimile regarding additional information regarding the training and qualifications of radiation oncologists; and Extension of expiration date in accordance with 10 CFR 30.36]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

Date JAN 21 1997

By Earl G. Wright

Region II, Division of Nuclear Materials Safety
101 Marietta Street, N.W., Suite 2900
Atlanta, GA 30323-0199

N:\MLICENSE\45-00034.A39

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 and the American Society of Therapeutic Radiologists

Hereby certifies that

Tyvin Andrew Rich, M.D.

Has pursued an accepted course of graduate study and clinical work has met certain standards and qualifications and has passed the examinations conducted under the authority of The American Board of Radiology

On this ninth day of June, 1978

Thereby demonstrating to the satisfaction of the Board that he is qualified to practice the specialty of

Therapeutic Radiology

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
and the American Society of Therapeutic Radiologists
Hereby certifies that

Tyvin Andrew Rich, M.D.

Has pursued an accepted course of graduate study
and clinical work has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology
On this ninth day of June, 1978
Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Therapeutic Radiology

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 Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine

Hereby certifies that

Bernard Francis Schneider, Ph.D., M.D.

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology

On this twelfth day of June, 1996

Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Radiation Oncology

THE AMERICAN BOARD OF RADIOLOGY
INCORPORATED IN THE DISTRICT OF COLUMBIA
1934

AMERICAN BOARD OF MEDICAL SPECIALTIES

Carol L. Berkowitz, MD
President

Robert R. Hartley, MD
Secretary-Treasurer

M. Paul Capp, M.D.
Executive Director

Valid through: June 2006

UNIVERSITY OF VIRGINIA
OFFICE OF ENVIRONMENTAL HEALTH & SAFETY

Phone (804) 982-4911
FAX (804) 982-4921

Mr. Wade Loo
Nuclear Materials Licensing Section
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Atlanta GA 30323

December 17, 1996

Re: Amendments to the following:
License # 45-00034-09 -- teletherapy
License # 45-00034-30 -- gamma knife

Dear Mr. Loo:

Enclosed are the qualifications for Janelle Williams and Al Aqualino.

Please call me if you have any questions.

Regards,

Richard G. Fleedlo, CHP
RSO

Asbestos & Lead Programs
982-4910/4912

Chemical Safety Program
982-4908/4907

Fire Safety Program
982-4914

Industrial Hygiene and
Environmental Health Programs
982-4909

Infectious Waste Program
982-4910

Occupational Safety Program
982-4900/4913

Purchasing
Radionuclides, Enzymes
982-4923

Purchasing
Chemicals
982-4925

Radiation Safety Office
982-4911

Radiation Dosimetry
982-4920

Waste Pick-ups
Chemical & Radioactive
982-4911

Workers' Compensation
982-4900

C:\AMIPRO\DOCS\NRC\LICENSE\WADELOO1.SAM

Janelle Arlene Williams, Ph.D.

Address

Department of Radiation Oncology
University of Virginia Health Sciences Center
Medical Center Box 375
Charlottesville, VA 22908
(804) 924-9423 (Office)
(804) 973-9255 (Home)

Education

Ph.D., Physics, University of Virginia, Charlottesville, VA, 1990
M.S., Physics, University of Virginia, Charlottesville, VA, 1988
B.S., Physics, Carnegie-Mellon University, Pittsburgh, PA, 1984

Certification

ABMP - Radiation Therapy Physics
Collaborative Ocular Melanoma Study - Physicist

Professional Experience

1990 - present — Assistant Professor, Radiological Physics,
University of Virginia, Health Sciences Center, Charlottesville, VA

Radiological Physics Consultant
Martha Jefferson Hospital, Department of Radiation Oncology,
Charlottesville, VA

1990 — Research Associate
University of Virginia, Department of Nuclear Engineering and
Engineering Physics, Charlottesville, VA

Professional Societies

American Association of Physicists in Medicine
American Institute of Physics
Health Physics Society, Virginia Chapter

American Board of Medical Physics

ABMP

Hereby certifies that

Janelle A. Williams, Ph.D.

has satisfactorily met the professional standards and clinical competence requirements in medical physics to qualify for

Certification in Medical Physics

with special competence in

Radiation Oncology

AMERICAN BOARD OF MEDICAL PHYSICS
ABMP
FOUNDED 1988

May 16, 1995
DATE

CHAIRPERSON

SECRETARY

CURRICULUM VITAE
OF
ALAN AQUALINO

PERSONAL DATA

Date of Birth: 15 September 1951
Glen Cove, N.Y.

Marital Status: Married
Spouse: Sandra L. Bryant

Office Address: Department of Radiology
Division of Radiological Physics
Box 375 Medical Center
University of Virginia
Charlottesville, VA 22908

Home Address: Creek Bend
Sunset Avenue Ext
Charlottesville, VA 22903
(804) 293-4965

EDUCATION

B.A. Physics and Religious Studies, University of Virginia, May 1974.

Ph.D. Physics, Specialty: Molecular Biophysics, University of Virginia, May 1982.

PROFESSIONAL EXPERIENCE

April 1990 - present: Assistant Professor, Radiology, University of Virginia Medical Center.

July 1985 - April 1990: Radiation Physics Specialist C, University of Virginia Medical Center. Developed programs in hyperthermia and stereotactic radiotherapy. Physicist in charge of total body irradiation, COMS, and computer applications. Taught residents and RTT students. Wrote RFPs.

April 1983 - July 1985: N.L.M. Postdoctoral Fellowship in Biomedical Engineering, University of Virginia. Specialty: Computer Applications

July 1982 - September 1982: Visiting Assistant Professor of Physics, University of Virginia.

COMMONWEALTH of VIRGINIA

Department of Health

ROBERT B STROUBE M.D. M.P.H.
STATE HEALTH COMMISSIONER

BUREAU OF RADIOLOGICAL HEALTH
X-RAY PROTECTION PROGRAM
1500 EAST MAIN STREET ROOM 104A
P.O. BOX 2448
RICHMOND, VA 23218

May 27, 1993

Alan Aqualino, Ph.D.
University of Virginia
Box 375
Medical Center
Charlottesville, Virginia 22908

Dear Dr. Aqualino:

This is to inform you that your name has been added to our files of private inspectors for X-ray machines.

Enclosed is a copy of the Commonwealth of Virginia Radiation Protection Regulations, a reorder form for X-ray survey forms, and our X-ray Program Booklet. Because you stated that you were not available for outside consulting from Virginia registrants at the present time your name was not added to the list of private inspectors we send to registrants.

Sincerely,

Anthony R. Pulcrano
Assistant Director
Bureau of Radiological Health

Enclosures

ARP:jwm

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 Therapeutic Radiology and Oncology,
and the Association of University Radiologists
Hereby certifies that

Alan Aqualino, Ph.D.

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology

On this seventh day of June, 1990
Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Therapeutic Radiological Physics

Robert G Parker
President

Secretary

THE AMERICAN BOARD OF RADIOLOGY
INCORPORATED
IN THE
DISTRICT
OF
COLUMBIA
1934

AMERICAN BOARD
MEDICAL SPECIALTY

COLLABORATIVE OCULAR MELANOMA STUDY

COMS

This certifies that

Alan Aqualino, Ph.D.

has completed all of the requirements
for certification as

Radiation Physicist

in the
Collaborative Ocular Melanoma Study

COMS Chairman

NRC FORM 218 (4-76) NRCM 0240

U.S. NUCLEAR REGULATORY COMMISSION

TELEPHONE OR VERBAL CONVERSATION RECORD

DATE: 12/5/96

TIME: ~11:15 ☒ A.M. ☐ P.M.

☐ INCOMING CALL ☒ OUTGOING CALL ☐ VISIT

PERSON CALLING	OFFICE/ADDRESS	PHONE NUMBER / EXTENSION
RICK PICCOLO, RJO	UNIV. OF VIRGINIA CHARLOTTESVILLE, VA	804-982-4911
PERSON CALLED	**OFFICE/ADDRESS**	**PHONE NUMBER / EXTENSION**
WAYNE LOO	USNRC - RII - ATLANTA, GA	404-331-3932

CONVERSATION

SUBJECT: TELETHERAPY LIC. AMEND. REQUEST 11/20/96

SUMMARY

- CALLED TO GET ADDITIONAL INFO. ON DR. JANELLE WILLIAMS.
- NOT THERE, LEFT MESSAGE TO CALL ME BACK. (WTL)

- CALLED BACK (12/10/96, ~9:30 AM) + SAID HE WOULD GET INFO FOR WILLIAMS + AQUALINO REGARDING QUALIFICATIONS + SAID IT WAS AN ERROR REGARDING REMOVAL OF SPACERS, HEADER, + CARDS FOR GAMMA KNIFE REQUEST.

(WTL)

☐ ADVISE ME OF ACTION TAKEN.

ACTION REQUESTED	INITIALS
	DATE
ACTION TAKEN	**INITIALS**
	DATE

NRC FORM 218 (4-76)

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02300
Status Code: 0
Fee Category: 7A EX 2B
Exp. Date: 20020331
Fee Comments: STATE
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION II

1. APPLICATION ATTACHED
   Applicant/Licensee: VIRGINIA, UNIVERSITY OF
   Received Date: 961122
   Docket No: 3000510
   Control No.: 257292
   License No.: 45-00034-09
   Action Type: Amendment

2. FEE ATTACHED
   Amount: 470.00
   Check No.: 00216746

3. COMMENTS

Signed DIANE HEIM
Date 11/26/96

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

1. Fee Category and Amount: 7A EX2B $470

2. Correct Fee Paid. Application may be processed for:
   Amendment ✓
   Renewal
   License

3. OTHER

Signed Rita Messier
Date 12/2/96

Log Dec 1 II
Remitter
Check No 216746
Amount $470
Fee Category 7A EX2B
Type of Fee Amd
Date Check Rec'd.
Date Completed 12/2/96
By: Ken

UNIVERSITY OF VIRGINIA
OFFICE OF ENVIRONMENTAL HEALTH & SAFETY

Phone (804) 982-4911
FAX (804) 982-4921

Mr. Earl Wright
Nuclear Materials Licensing Section
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Atlanta GA 30323

November 20, 1996

Re: License # 45-00034-09
Co-60 Teletherapy License
Deletion and Addition of Authorized Users

Dear Mr. Wright:

The University of Virginia is applying to amend the above referenced license as follows:

1) Condition 12. Teletherapy Physicists

Remove: Ann Normansell, M.E.
Add: Janelle Williams, Ph.D.

2) Condition 13. Licensed mat'l used by...

Remove: 13.B. - Cynthia Spaulding M.D.
13.H. - Ann Normansell, M.E.
13.I. - Sylvia S. Hendrix, M.D.
13.J. - Michela Caruso, M.D.

Add: Janelle Williams, Ph.D. for non-human use
Bernard Schneider, M.D. - medical use in 10 CFR 35.600
Tyvin Rich, M.D. - medical use in 10 CFR 35.600

I have enclosed the following:

1. Preceptor statements for Drs. Schneider and Rich.
2. A check for $470.00 (Category 7A). # 00216746 - UVa

Please call me at (804) 982-4916 if you have any questions.

Very truly yours,

Richard G. Piccolo, CHP
Radiation Safety Officer, University

2572.92

C:\AMIPRO\DOCS\NRC\LICENSEEWRIGH13.SAM

Asbestos & Lead Programs
982-4910/4912

Chemical Safety Program
982-4908/4907

Fire Safety Program
982-4914

Industrial Hygiene and
Environmental Health Programs
982-4909

Infectious Waste Program
982-4910

Occupational Safety Program
982-4900/4913

Purchasing
Radionuclides, Enzymes
982-4923

Purchasing
Chemicals
982-4925

Radiation Safety Office
982-4911

Radiation Dosimetry
982-4920

Waste Pick-ups
Chemical & Radioactive
982-4911

Workers' Compensation
982-4900

FORM NRC-313M-SUPPLEMENT B
(8-78)

U. S. NUCLEAR REGULATORY COMMISSION

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. APPLICANT PHYSICIAN'S NAME AND ADDRESS

FULL NAME

BERNARD FRANCIS SCHNEIDER

STREET ADDRESS

DEPARTMENT OF RADIOLOGY
UNIVERSITY OF VIRGINIA

CITY | STATE | ZIP CODE

CHARLOTTESVILLE VA 22908

KEY TO COLUMN C

PERSONAL PARTICIPATION SHOULD CONSIST OF:

1-Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage.

2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data.

3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS *(Additional information or comments may be submitted in duplicate on separate sheets.)* D
I-131 or I-125	DIAGNOSIS OF THYROID FUNCTION		
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME		
	LIVER FUNCTION STUDIES		
	FAT ABSORPTION STUDIES		
	KIDNEY FUNCTION STUDIES		
	IN VITRO STUDIES		
OTHER			
I-125	DETECTION OF THROMBOSIS		
I-131	THYROID IMAGING		
P-32	EYE TUMOR LOCALIZATION		
Se-75	PANCREAS IMAGING		
Yb-169	CISTERNOGRAPHY		
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES		
OTHER			
Tc-99m	BRAIN IMAGING		
	CARDIAC IMAGING		
	THYROID IMAGING		
	SALIVARY GLAND IMAGING		
	BLOOD POOL IMAGING		
	PLACENTA LOCALIZATION		
	LIVER AND SPLEEN IMAGING		
	LUNG IMAGING		
	BONE IMAGING		
OTHER			

PRECEPTOR STATEMENT *(Continued)*

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN *(Continued)*

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS *(Additional information or comments may be submitted in duplicate on separate sheets.)* D
P-32 *(Soluble)*	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	1	
P-32 *(Colloidal)*	INTRACAVITARY TREATMENT	3	
I-131	TREATMENT OF THYROID CARCINOMA		
	TREATMENT OF HYPERTHYROIDISM		
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT	30	
I-125 or Ir-192	INTERSTITIAL TREATMENT	6	
Co-60 or Cs-137	TELETHERAPY TREATMENT	75	
Sr-90	TREATMENT OF EYE DISEASE	1	
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR		
Sn-113/ In-113m	GENERATOR		
Tc-99m	REAGENT KITS		
Other	gold seeds - interstitial	3	
	HDR - intracavity - Ir-192	3	

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

U.Va. Health Sciences Center
Radiation Oncology
Box 3963
Charlottesville VA 22908

August - 92 →
July - 96

HOURS - 116

4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:

a. NAME OF SUPERVISOR: M. Constable MD

b. NAME OF INSTITUTION: Univ. of Virginia HSC

c. MAILING ADDRESS:

d. CITY:

5. MATERIALS LICENSE NUMBER(S)

6. PRECEPTOR'S SIGNATURE: M. Constable MD

7. PRECEPTOR'S NAME *(Please type or print)*: WILLIAM CONSTIABLE

8. DATE: 11/6/96

FORM NRC-313M-SUPPLEMENT B
(8-78)

EXHIBIT 3

SUPPLEMENT B

SUPPLEMENT — U. S. NUCLEAR REGULATORY COMMISSION

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. PROPOSED PHYSICIAN USER'S NAME AND ADDRESS

FULL NAME

Tyvin Andrew Rich, M.D.

STREET ADDRESS

UVa Health Sciences Ctr. - Box 375
Therapeutic Radiation & Oncology

CITY | STATE | ZIP CODE

Charlottesville, VA 22908

KEY TO COLUMN C

PERSONAL PARTICIPATION SHOULD CONSIST OF:

1. Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage.
2. Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data.
3. Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
	Thyroid scan		
	Thyroid uptake		
	Lung perfusion scan		
	Xenon ventilation study		
	Aerosol ventilation scan		
	Renal flow scan		
	Brain scan		
	Liver/spleen scan		
	Bone scan		
	Gastroesophageal study		
	LeVeen shunt study		
	Cystogram		
	Dacryocystogram		
	Cardiac perfusion scan.		
	Cardiac stress ventriculogram		
	Cardiac rest ventriculogram		
	Gallium scan		

207202

EXHIBIT 3 (Continued)

PROPOSED PHYSICIAN USER

PRECEPTOR STATEMENT *(Continued)*

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN *(Continued)*

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	10	
P-32 (Colloidal)	INTRACAVITARY TREATMENT	10	
I-131	TREATMENT OF THYROID CARCINOMA	20	
	TREATMENT OF HYPERTHYROIDISM		
Au-198	INTRACAVITARY TREATMENT	25	
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT	40	
I-125 or Ir-192	INTERSTITIAL TREATMENT	75	
Co-60 or Cs-137	TELETHERAPY TREATMENT	750	
Sr-90	TREATMENT OF EYE DISEASE	20	
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	0	
Sn-113/ In-113m	GENERATOR	0	
Tc-99m	REAGENT KITS	0	
Other			

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

LOCATION	DATES	CLOCK HOURS OF EXPERIENCE
Massachusettes Gen. Hospital, Boston, MA. (residency)	1975-1979	More than 200 hrs.

4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:

a. NAME OF SUPERVISOR
Herman Suit, M.D.

b. NAME OF INSTITUTION
Mass. General Hospital

c. MAILING ADDRESS

d. CITY
Boston, MA 02114

e. MATERIALS LICENSE NUMBER(S)

5. PRECEPTOR'S SIGNATURE
X

7. PRECEPTOR'S NAME (Please type or print)
Herman Suit

8. DATE