



Addison Gilbert Hospital

298 Washington Street, Gloucester, MA 01930 (617) 283-4000

EXPRESS MAIL

November 15, 1984

Dr. Boardman
Director of Materials & Licensing
631 Park Avenue, Region I
King of Prussia, PA 19408

Dear Dr. Boardman:

This letter is in reference to U.S. Nuclear Regulatory Commission license #20-15906-01 which expires on November 30, 1984 and has currently been submitted for renewal. We would like to add a physician to our license as an authorized user for Groups I, II and III. He is Augustine P. O'Keeffe, M.D., Staff Radiologist and his preceptor statement is enclosed.

Please add this information to the above mentioned license.

Thank you.

Sincerely,

T. A. Scharfenstein
President

DJ/nd

Enclosures

8507260352 850628
REG1 LIC30
20-15906-01 PDR

18358
"OFFICIAL RECORD COPY"

ML10 NOV 27 1984

Justin P. O'Keeffe, M.D. (Augustine)
14 Boardman Ave.
Manchester, Ma. 01944
526-1905

High School	1957 to 1962	Blackrock College Dublin, Ireland
Premed & Medical School	1962-1968	National University of Ireland Cork, Ireland
Intern	July to Dec 1968	St. Finnbarrs' Hospital Cork, Ireland
Intern	January to December 1969	Bon Secours Hospital Grosse Pointe, Michigan USA
Resident - Surgery	Jan. to June 1970	Bon Secours Hospital Grosse, Pointe, Michigan
Resident - Radiology	July 1970 to June 1973	Iahey Clinic Boston, Massachusetts
Fellow - Cardiology Radiology	July 1973 to June 1974	Harvard College Peter Bent Brigham Hosp. Boston, Massachusetts
Radiologist	July 1974 to March 1976	Exeter Hospital Exeter, New Hampshire
Radiologist	April 1976 to Present	Hunt Memorial Hospital Danvers, Massachusetts Addison Gilbert Hospital Gloucester, Massachusetts

DEPARTMENT OF RADIOLOGY
Division of Radiological
Sciences and Technology
EDWARD W. WEBSTER, Ph.D.
Professor of Radiology (Physics)



Mailing Address:
Massachusetts General Hospital
Boston, Massachusetts 02114
(617) 726-8326 / 3078

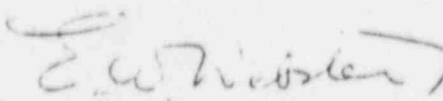
October 18, 1983

To Whom it May Concern:

(Augustine)

This will certify that Austin O'Keefe, M.D. attended the following courses in radiation physics during his residency in radiology in Boston, Massachusetts:

1. Physics of Diagnostic Radiology consisting of 15 sessions each of 2 hours between September 15, 1970 and January 19, 1971. This program consisted of 11 lectures on the production of x-rays technology of x-ray imaging in radiography, fluoroscopy, and special techniques, the biological effects of radiation, patient dose and x-ray safety practices. In addition, there were four practical laboratory sessions emphasizing x-ray techniques, doses and protection.
2. A Basic Radioisotopes Course consisting of 16 sessions each of 2 hours between February 17, 1972 and June 8, 1972 covering the nature and properties of radioactivity, radioisotope production, radiation dosimetry, radiation measurement, the biological effects of radiation, safe handling of radioisotopes and instrumentation in Nuclear Medicine. Six laboratory exercises were included. Dr. O'Keefe passed the final examination.


Edward W. Webster, Ph.D.
Course Director

EWV/dab

APPLICATION FOR BYPRODUCT MATERIAL LICENSE—MEDICAL

SUPPLEMENT A—PRECEPTOR STATEMENT

This page is to be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain separate statement from each. Page 2 may be used for comments and additional information.

10. NAME AND ADDRESS OF APPLICANT PHYSICIAN (include ZIP Code)

Austin T. O'Keefe, M.D. (Augustine)

27 Hickory Hill

Haverhill, Massachusetts 01844

11. CLINICAL TRAINING AND EXPERIENCE OF PHYSICIAN NAMED IN ITEM 10 ABOVE

(A) ISOTOPE	(B) CONDITIONS DIAGNOSED OR TREATED	(C) No. Cases Observed (See 1 in key below)	(D) No. Cases Involving Person Participation (See 2 in key below)
I-131 or I-125	Diagnosis of thyroid function	250	200
	Determination of blood and blood plasma volume		
	Liver function studies		
	Fat absorption studies		
	Kidney function studies		
	In vitro studies		
Cr-51	Gastrointestinal protein loss studies		
	Determination of red blood cell volume and studies of red blood cell survival		
Fe-59	Iron turn over studies		
Co-58 or Co-60	Intestinal absorption studies		
K-42	Potassium space determinations		
I-131	Thyroid imaging	250	200
	Brain tumor localization and cardiac imaging		
	Cisternography		
	Lung imaging		
	Liver imaging		
	Kidney imaging		
	Placenta localization		
Cr-51	Placenta localization		
	Spleen imaging		
Au-198	Liver imaging		
Hg-197	Brain imaging		
	Kidney imaging		
Hg-203	Brain imaging		
Sr-85	Bone imaging	10	5
Tc-99m	Brain imaging	400	250
	Thyroid imaging	50	25
	Salivary gland imaging	10	5
	Blood pool imaging	50	20

APPLICATION FOR BYPRODUCT MATERIAL LICENSE—MEDICAL

SUPPLEMENT A—HUMAN USE

(A) ISOTOPE	(B) CONDITIONS DIAGNOSED OR TREATED	(C) No. Cases Observed (See 1 in key below)	(D) No. Cases Involving Training Participation (See 2 in key below)
Tc-99m	Placenta localization		
	Liver and spleen imaging	300	100
	Lung imaging	60	40
	Bone imaging	50	20
Xe-133	Blood flow studies and pulmonary function studies		
Se-75	Pancreas imaging	10	3
P-32	Treatment of polycythemia, leukemia, and Bone metastases		
	Intracavitary treatment		
I-131	Treatment of thyroid carcinoma		
	Treatment of hyperthyroidism and cardiac condition		
Au-198	Intracavitary treatment		
Co-60 or CO-137	Interstitial treatment		
	Intracavitary treatment		
Ir-192	Interstitial treatment		
Co-60 CO-137	Teletherapy treatment		
Sr-90	Treatment of eye disease		

Key to Column (C) and (D) above

1. Observation should consist of observing radioisotope administration techniques and discussion with preceptor the case histories to establish most appropriate diagnostic and/or therapeutic procedure, limitation, contraindications, etc.
2. Personal participation should consist of (a) supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation on dosage to be prescribed; (b) collaboration in calibration of the dose and the actual administration of the dose to the patient, including calculation of the radiation dose, related measurements, and plotting of data; and (c) adequate period of training to enable the physician to manage radioactive patients and to follow patients through diagnosis and/or the course of treatment.

12. DATES AND TOTAL NUMBER OF HOURS OF CLINICAL RADIOISOTOPE TRAINING July 1970 - June 1973 800 hours

13. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF Robert E. Wise, M.D.

Lahey Clinic Foundation
605 Commonwealth Avenue
at Boston, Massachusetts 02215 • 200576602

(Institution Name and Address)

(Byproduct Material License Number)

(Signature of Preceptor)

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

Austin P. O'Keeffe, M.D. (Augustine)

STREET ADDRESS

27 Hickory Hill

CITY

Manchester

STATE

MA

ZIP CODE

01944

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		
I-131 ^{111 In} TPA	CISTERNOGRAPHY	2	
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES		
OTHER			
Tc-99m	BRAIN IMAGING	10	
	CARDIAC IMAGING	200	
	THYROID IMAGING	20	
	SALIVARY GLAND IMAGING		
	BLOOD POOL IMAGING		
	PLACENTA LOCALIZATION		
	LIVER AND SPLEEN IMAGING	200	
	LUNG IMAGING	150	
	BONE IMAGING	200	
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 <i>(Additional information or comments may be submitted in duplicate on separate sheets.)</i> D
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		Two weeks of training in hot lab.
P-32 (Colloidal)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA		
	TREATMENT OF HYPERTHYROIDISM		
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
Co-60 or Cs-137	TELETHERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR		
Sn-113/ In-113m	GENERATOR	2	
Tc-99m	REAGENT KITS	Two weeks	
Other			

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

Refresher training from June 1983 to July 1984 for a total of 200 hours.

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

a. NAME OF SUPERVISOR
Thomas J. Lapine, M.D.

b. NAME OF INSTITUTION
Hunt Memorial Hospital

c. MAILING ADDRESS
Danvers, MA 01923

d. CITY

5. PRECEPTOR'S SIGNATURE

Thomas J. Lapine

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

Thomas J. Lapine, M.D.

8. DATE

8/22/84

6. MATERIALS LICENSE NUMBER(S)

20-13396-01