



# Edgewater Hospital

5700 North Ashland Avenue, Chicago, Illinois 60660 (312) 878-6000

Harriet Mazel  
Chief Executive Officer

D. C. Calcaterra  
Administrator

February 4, 1985

RECEIVED

'85 FEB 14 AM 11:26  
R. Riera, M.D.  
Medical Director

U.S. N.R.C.  
LIC. FEE MGMT. BRANCH

Materials Licensing Section  
U. S. Nuclear Regulatory Commission  
Region - III  
799 Roosevelt Road  
GlenEllyn, Illinois 60137

Re: License No. 12-02030-03

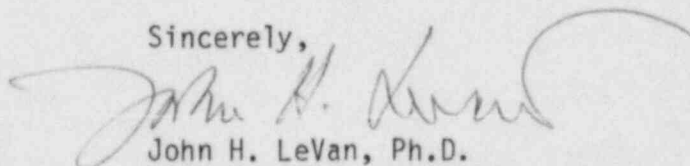
Gentlemen:

Attached, please find the Curriculum Vitae and additional credentials of Theodore J. Matuga, M.D., whom we are requesting to be placed on our NRC License as an authorized user of byproduct material for medical purposes, as stipulated in the conditions of the above-mentioned license.

We would like to have our License Number 12-02030-03 amended to include Doctor Matuga's name as Group I-VI User.

Should any further information be needed, we would appreciate hearing from you.

Sincerely,



John H. LeVan, Ph.D.  
Hospital Radiation Safety Officer

JHL/v

Attachments - 2

Copies: Hyo H. Byun, M.D., Chairman  
Radiation Safety Committee  
Mr. Donald C. Calcaterra  
Administrator

Applicant..	Log: Feb. 17-III
Check No....	49767-2100
Amount/Fee Category	General
Type of Fee.....	3/24/85
Date Check Rec'd.	
Received By....	CC

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REG3 LIC30  
12-02030-03 PDR

CONTROL NO. 7 8 2 6 4

FEB 7 1985

TRAINING AND EXPERIENCE  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER			2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE	
3. CERTIFICATION				
SPECIALTY BOARD A		CATEGORY B	MONTH AND YEAR CERTIFIED C	
American Board of Radiology		Diagnostic Radiology	June, 1974	
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES				
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING		
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D	
a. RADIATION PHYSICS AND INSTRUMENTATION	See attached Preceptor Statement and Curriculum Vitae			
b. RADIATION PROTECTION				
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY				
d. RADIATION BIOLOGY				
e. RADIOPHARMACEUTICAL CHEMISTRY				
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
	See attached	Preceptor Statement and Curriculum Vitae		
CONTROL NO. 78264				

UNITED STATES ATOMIC ENERGY COMMISSION  
**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 a separate statement from each. Page 2 may be used for comments and additional information.

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

THEODORE MATUGA, M.D.  
32479 Oak Ave.

Grayslake, Illinois 60030

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 Personal Participation (See 2 in key below)
I-131 or I-125	Diagnosis of thyroid function	200	120
	Determination of blood and blood plasma volume	25	10
	Liver function studies		
	Fat absorption studies	10	4
	Kidney function studies	10	12
	In vitro studies	10	20
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	8	5
K-42	Potassium space determinations		
I-131	Thyroid imaging	30	25
	Brain tumor localization and cardiac imaging	5	4
	Cisternography	6	5
	Lung imaging		
	Liver imaging                      Rose Bengal	10	12
	Kidney imaging                      Hippurate	15	10
	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		
Tc-99m	Brain imaging	40	30
	Thyroid imaging	25	10
	<del>XXXXXXXXXXXX</del> Kidney imaging (D.T.P.A.)	25	10
	Blood pool imaging	10	4

PAGE 4		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 Personal Participation (See 2 in key below)
Tc-99m	Placenta localization	6	4
	Liver and spleen imaging	50	25
	Lung imaging	50	25
	Bone imaging	25	10
Xe-133	Blood flow studies and pulmonary function studies		
Se-75	Pancreas imaging	10	5
P-32	Treatment of polycythemia, leukemia, and Bone metastases		
	Intracavitary treatment		
I-131	Treatment of thyroid carcinoma	5	4
	Treatment of hyperthyroidism and cardiac condition	20	10
Au-198	Intracavitary treatment		
Co-60 or Cs-137	Interstitial treatment		
	Intracavitary treatment Cesium 137	10	6
Ir-192	Interstitial treatment		
Co-60 CO-137	Teletherapy treatment Telecobalt Telecesium	100	50
		40	30
Sr-90	Treatment of eye disease	10	6

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 dose; 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.

9-1-70 to 8-31-71 Part of 3yr. Resident in Radiology.

12. DATES AND TOTAL NUMBER OF HOURS OF CLINICAL RADIOISOTOPE TRAINING Full time--one year

13. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF Marion F. Magalotti, M.D.

Cook County Hospital 12-00010-01  
1825 West Harrison St. 12-00010-05  
AT Chicago, Illinois 60612

(Institution Name and Address) (Byproduct Material License Number)

Marion F. Magalotti, MD  
(Signature of Preceptor)



THEODORE J. MATUGA, M.D.  
301 Juniper Parkway  
Libertyville, IL 60048  
(312) 367-7611

#### EDUCATION

1964            LOYOLA UNIVERSITY  
                 Maywood, Illinois  
                 Accelerated pre-medical program

1968            LOYOLA UNIVERSITY, (Stritch School of Medicine)  
                 Chicago, Illinois  
                 Doctor of Medicine

1969            COOK COUNTY HOSPITAL  
                 Chicago, Illinois  
                 Internship

1972            COOK COUNTY HOSPITAL  
                 Chicago, Illinois  
                 Residency - Radiology

#### ADDITIONAL TRAINING

1982            UNIVERSITY OF CHICAGO  
                 Chicago, Illinois  
                 C.T. and Ultrasound

1982            MALLINKRODT INSTITUTE  
                 St. Louis, Missouri  
                 Ultrasound

1982            HOSPITAL FOR SPECIAL SURGERY  
                 New York City, New York  
                 Arthrography Course

1981            THE CHICAGO MEDICAL SCHOOL  
                 Chicago, Illinois  
                 Nuclear Cardiac Imaging - Moderator

1981            THE CHICAGO MEDICAL SCHOOL  
                 Chicago, Illinois  
                 Angiography Course - Updated Concepts - Moderator

1980            THE CHICAGO MEDICAL SCHOOL  
                 Chicago, Illinois  
                 Ultrasound - New Developments - Moderator

1979            JOHNS HOPKINS HOSPITAL  
                 Baltimore, Maryland  
                 Basic Ultrasound

1978            HARVARD MEDICAL SCHOOL  
                 Boston Massachusetts  
                 Orthopedic Radiology

1978            ALBERT EINSTEIN COLLEGE  
                 New York, New York  
                 Nuclear Medicine

1976            UNIVERSITY OF ALABAMA MEDICAL CENTER  
                 Birmingham, Alabama  
                 Angiography

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THEODORE J. MATUGA, M.D.

Page Two

**CERTIFICATION**

- \* Diplomate of the American Board of Radiology
- \* Diplomate of the National Board of Medical Examiners

**AFFILIATIONS**

- \* American Medical Association
- \* Illinois State Medical Society
- \* Lake County Medical Society
- \* American College of Radiology
- \* Radiological Society of North America
- \* Association of University Radiologists

**EXPERIENCE**

Presently

**INDEPENDENT PRACTICE**

Diagnostic Radiology at several Chicago-area hospitals.

**LAKESIDE MEDICAL CENTER**

Libertyville, Illinois

Radiologist - Multi-specialty medical group with several offices.

**UNIVERSITY OF HEALTH SCIENCES/CHICAGO MEDICAL SCHOOL**

North Chicago, Illinois

Assistant Professor

1980 - 1982

**NORTH CHICAGO VA MEDICAL CENTER**

Staff Radiologist - Performed and/or interpreted many aspects of diagnostic radiology, including nuclear medicine, ultrasound, CT scanning, and special procedures.

1977 - 1980

**CONDELL MEMORIAL HOSPITAL**

Libertyville, Illinois

Staff Radiologist - Performed many aspects of diagnostic radiology, nuclear medicine, ultrasound, and special procedures.

1975 - 1977

**BULL SHOALS COMMUNITY HOSPITAL AND MEDICAL CENTER**

Arkansas

Director of Radiology

- . Developed Radiology Department which included initiation of angiography and breast cancer screening program. Provided and upgraded services to two neighboring hospitals.

1974 - 1975

**PRIVATE PRACTICE**

Santa Ana, California

Owned - Increased number of patients three-fold within a fourteen month period due to personal attention given to patients and competent assistance to referring physicians.

**OTHER**

**EXPERIENCE**

Consultant for short term positions and locum tenens at institutions such as: Highland Park Hospital, Illinois Masonic Medical Center, St. Joseph Hospital.

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## BIBLIOGRAPHY

### SCIENTIFIC REPORTS AND EXHIBITS:

"Architectural Derangement of Femoral Head in Arthropathy". Presented at the Annual Meeting of Radiological Society of North America, Dallas, Texas, 1980.

"Unilateral Thyroid Acropachy". Presented at the Annual Meeting of the Radiological Society of North America, Dallas Texas, 1980.

"Brain Damage and Tardive Dyskenesia". Presented at the Midwestern Pharmacological Meeting, 1981.

"Traumatic and Iatrogenic Cardiovascular Foreign Bodies". Presented at the Annual Meeting of the R.S.N.A., Chicago, 1969 and at the Annual Meeting of the Roentgen Ray Society, Miami, 1970.

"Challenge of Cardiac Tumors". Presented at the R.S.N.A. Chicago, 1969, American Medical Association, Chicago, 1970.

### SCIENTIFIC MEETINGS attended during the past three years:

1983 - Radiological Society of North America 69th Scientific Assembly and Annual Meeting. Chicago, IL.

1982 - RSNA 68th Scientific Assembly and Annual Meeting. Chicago, IL.

1981 - RSNA 67th Scientific Assembly and Annual Meeting. Chicago, IL.

1980 - RSNA 66th Scientific Assembly and Annual Meeting. Dallas, TX.

CONTINUING MEDICAL EDUCATION

1984	Medical College of Wisconsin Visiting Fellowship CT	40 credits Category I
1983	RSNA 69th Scientific Assembly and Annual Meeting Courses in Cardiovascular Radiology, CT ultrasound, chest, GI, NMR	30 credits Category I
1982	University of Chicago Visiting Fellowship CT and Ultrasound	80 credits Category I
1982	Mallinkrodt Institute Visiting Fellowship Ultrasound	40 credits Category I
1982	Hospital for Special Surgery, New York Visiting Fellowship Arthrography	40 credits Category I
1982	RSNA 68th Scientific Assembly and Annual Meeting CT - spine and thorax	7-1/2 credits Category I