

## MATERIALS LICENSE

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, 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		In accordance with application dated June 12, 1992	
1. Columbia Regional Hospital		3. License number 13-01631-05 is amended in its entirety to read as follows:	
2. 2400 East 17th Street Columbus, IN 47201		4. Expiration date November 30, 1995	
		5. Docket or Reference No. 030-01597	
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	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	
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. As needed	
E. Any byproduct material identified in 10 CFR 31.11	E. Prepackaged Kits	E. As needed	
F. Uranium depleted in Uranium-235	F. Cadmium plated metal	F. As needed	
9. Authorized Use:			
A. Medical use described in 10 CFR 35.100.			
B. Medical use described in 10 CFR 35.200.			
C. Medical use described in 10 CFR 35.300.			

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number  
13-01631-05

Docket or Reference number  
030-01597

Amendment No. 31

9. (Continued)

D. Medical use described in 10 CFR 35.400.

E. In vitro studies.

F. For storage only as shielding material in an AECL Eldorado 6 teletherapy unit.

CONDITIONS

10. Location of Use: 2400 East 17th Street, Columbus, Indiana.

11. Radiation Safety Officer: Richard Pitman, M.D.

12. Authorized Users:

A. Donald Charles Moore, M.D., for material described in 10 CFR 35.100, 35.200, 35.300, 35.400 and 31.11.

B. F. B. Andrews, M.D., for material described in 10 CFR 35.100, 35.200, 35.300, 35.400 and 31.11.

C. Richard Pitman, M.D., for material described in 10 CFR 35.100, 35.200, 35.300 (excluding Iodine-131 for treatment of thyroid carcinoma) and 31.11.

D. Newell Pugh, M.D., for material described in 35.400.

E. David Ross, M.D., for material described in 35.400.

F. Peter Garrett, M.D., for material described in 35.400.

G. David M. O'Brien, M.D., for material in 31.11.

H. Edwin B. Watkins, Jr., M.D., for material in 35.400.

I. William R. Rate, M.D., Ph.D., for material in 35.400.

J. Robert A. Deweese, M.D., for material in 35.100, 35.200, 35.300 and 31.11.

K. Thomas C. Dugan, M.D., for material in 35.400.

13. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in the molybdenum-99/technetium-99m generators authorized by this license.

COPY

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number  
13-01631-05

Docket or Reference number  
030-01597

Amendment No. 31

14. The licensee shall maintain records of information important to safe and effective decommissioning at the location listed in Item 2 of this license per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
15. This license is based on the licensee's statements and representations listed below:
- A. Applications dated April 20, 1990, and June 12, 1992.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date SEP 28 1992

By Patricia M. Vachulson  
Materials Licensing Section, Region III

COPY

BETWEEN:

LICENSE FEE MANAG' BRANCH, ARM  
AND  
REGIONAL LICENSIN IONS

(FOR LFMS USE)  
INFORMATION FROM LTS

PROGRAM CODE: 02100  
STATUS CODE: 0  
FEE CATEGORY: 7C  
EXP. DATE: 19951130  
FEE COMMENTS: CODE 13  
DECOM FIN ASSUR REQD: N  
=====

LICENSE FEE TRANSMITTAL

A. REGION III

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: BARTHOLOMEW CTY. HOSPITAL  
RECEIVED DATE: 920622  
DOCKET NO: 3001597  
CONTROL NO.: 393601  
LICENSE NO.: 13-01631-05  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: \$430.00  
CHECK NO.: 172725

3. COMMENTS

SIGNED P. Butch  
DATE 6-29-92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1/1)

1. FEE CATEGORY AND AMOUNT: 7C \$430

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT ☒  
RENEWAL ☐  
LICENSE ☐

3. OTHER

SIGNED Rita Jacques  
DATE 7/6/92

RECEIVED

JUL 09 1992

REGION III



Columbia Regional Hospital  
ATTN: Paula Pollitt, R.T.  
Radiology Director  
2400 East 17th Street  
Columbus, IN 47201

SEP 29 1992

Dear Ms. Pollitt:

Enclosed is Amendment No. 31 to your NRC License No. 13-01631-05 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive 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. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address.
5. Request and obtain appropriate amendment if you plan to change ownership of your organization, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. Any amendment request should be accompanied by the appropriate fee specified in 10 CFR Part 170.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
7. Request termination of your license if you plan to permanently discontinue activities involving radioactive material prior to your expiration date.

SEP 29 1992

Columbia Regional Hospital

-2-

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations in your license application will result in enforcement action against you in accordance with the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

If you have any questions or require clarification of any of the above stated information, contact us at (708) 790-5625.

Sincerely,

Original Signed By  
Patricia M. Vacherlon  
Materials Licensing Section

Enclosure: Amendment No. 31

RIII

Vacherlon/dg

09/28/92

SEP 16 '92 15:13 METHODIST MEDICAL PHYSICS

912166636234

P.02

# The American Board of Radiology

2301 W. Big Beaver Rd., Suite 625  
Troy, Michigan 48064  
(313) 643-0900

June 10, 1991

35269 TR 16 125  
THOMAS CARPER DUGAN MD  
11762 RIVER RIDGE DRIVE  
FISHERS, IN 46038

DEAR DOCTOR DUGAN:

I am pleased to inform you that you passed the oral examination. The American Board of Radiology voted on June 6, 1991 to grant you its certificate in RADIATION ONCOLOGY.

With personal congratulations, I am

Sincerely yours,

*Kenneth L. Krabbenhoft*  
Kenneth L. Krabbenhoft, M.D.  
Executive Director

## IMPORTANT INFORMATION

Please return the ENCLOSED 'Request for Certificate Card' to the Board Office immediately. Delivery of certificates will take approximately 2-4 months.

Now that you have been certified by The American Board of Radiology, your name will be included in a Directory published by the American Board of Medical Specialties unless you specify otherwise in writing.

It is your responsibility to notify your local and state medical organizations of your certification.

## CONVERSATION RECORD

TIME

DATE

9/15/92

TYPE

☐ VISIT☐ CONFERENCE☐ TELEPHONE☐ INCOMING☐ OUTGOING

ROUTING

NAME/SYMBOL

INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT  
WITH YOUORGANIZATION (Office, dept., bureau,  
etc.)

TELEPHONE NO.

Rubbie Londerce - Radiology Columbia  
Regional Hosp.

SUBJECT

SUMMARY

Name change was because hospital expanded.  
was not due to ownership change.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

J M Wackelton

9/15/92

ACTION TAKEN

SIGNATURE

TITLE

DATE



JOHN C. MCGINTY, JR.  
President

2400 E. Seventeenth St.  
Columbus, IN 47201  
812 379-4441

August 20, 1992

13-01631-05

To Whom It May Concern:

This letter is to notify you that pursuant to a resolution of the Board of Trustees dated August 18, 1992, Bartholomew County Hospital will be known as Columbus Regional Hospital as of midnight, September 24, 1992. The hospital will conduct all future business under the name of Columbus Regional Hospital.

Thank you.

Sincerely,

John C. McGinty, Jr.  
President and CEO

JCM/jkl

RECEIVED

AUG 24 1992

REGION III

AUG 24 1992

PM: 8-20-92

CN 93601





JOHN C. MCINTY, JR.  
President  
2400 E. Seventeenth St.  
Columbus, IN 47201  
812 379-4111

June 15, 1992

U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Sir:

Enclosed is information to amend the License Number  
13-01631-05.

Three items need to be amended.

Item #1: The relocation of the Nuclear Department to a  
newly built facility.

Item #2: Addition of 3 Radiation Oncologists and  
1 Radiologist as Authorized users.

Item #3: Institution name change.

If there are any questions regarding this amendment please  
do not hesitate to contact me.

Sincerely,

*Paula Pollitt, R.T.*  
Paula Pollitt, R.T.  
Radiology Director  
812-376-5361

RECEIVED

JUN 22 1992

REGION III

JUN 22 1992

Information on Next Page  
License Fee Information on Next Page

# APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

## APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION  
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY, NMSS  
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
NUCLEAR MATERIALS SAFETY SECTION B  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
NUCLEAR MATERIALS SAFETY SECTION  
101 MARIETTA STREET, SUITE 2900  
ATLANTA, GA 30333

## IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
MATERIALS LICENSING SECTION  
789 ROOSEVELT ROAD  
GLEN ELLEN, IL 60127

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
MATERIAL RADIATION PROTECTION SECTION  
611 RYAN PLAZA DRIVE, SUITE 1000  
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V  
NUCLEAR MATERIALS SAFETY SECTION  
1450 MARIA LANE, SUITE 210  
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item):

- ☐ A. NEW LICENSE  
☒ B. AMENDMENT TO LICENSE NUMBER 13-01631-05  
☐ C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Bartholomew County Hospital  
2400 East 17th Street  
Columbus, Indiana 47201

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED:

Same

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Ed Sims, Consultant, NMA Medical Physics Consultation

TELEPHONE NUMBER

216-663-7000

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT. See Attached Item #9.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 7C AMOUNT ENCLOSED \$ 430.00

13. CERTIFICATION: (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001; ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

X Doug Leonard

DOUGLAS LEONARD

C.O.O.

4/12/92

FOR NRC USE ONLY

TYPE OF FEE <u>Amend</u>	FEE LOG <u>Jul 3 III</u>	FEE CATEGORY <u>7C</u>	COMMENTS
AMOUNT RECEIVED <u>\$430</u>	CHECK NUMBER <u>113925</u>		

RECEIVED

APPROVED BY  
Anto Jacques 7/6/92

JUN 22 1992

REGION III

## ITEM #9

The attached amendment application designates the relocation of the Nuclear Medicine Department to a new facility. The enclosed facility diagram (Item 9-1) specifies the location of adjacent areas, the principal use of each room, and shielding. The licensee will continue the practices previously stated in the license application.

A close-out survey will be performed of the old department before being released for unrestricted use. The close-out survey will contain the following information:

- a. date of survey
- b. instrument used to conduct the survey
- c. background reading
- d. check source reading
- e. keyed diagram indicating various locations
- f. readings in mR/hr at designated locations
- g. wipe test results of the areas
- h. name of the individual performing the survey.

The release of the department will be based on surface contamination not exceeding 0.2 mR/hr at 1 cm and that removable contamination will not exceed 200 dpm/100 cm<sup>2</sup>.

The results of the close-out survey will be reviewed by the hospital's Radiation Safety Officer.

A copy of the close-out survey will be kept on file in the Nuclear Medicine Department.

## FACILITIES AND EQUIPMENT DIAGRAM

Survey Equipment
<u>10</u> Uptake/Well
<u>1</u> Camera
<u>2</u> Lockable Door
<u>3</u> Receipt Area
<u>4</u> Generator
<u>5</u> Kit/Dose Preparation
<u>5</u> Isotope Storage
<u>7</u> Waste Storage
<u>8</u> Dose Calibrator
<u>9</u> Fume Hood

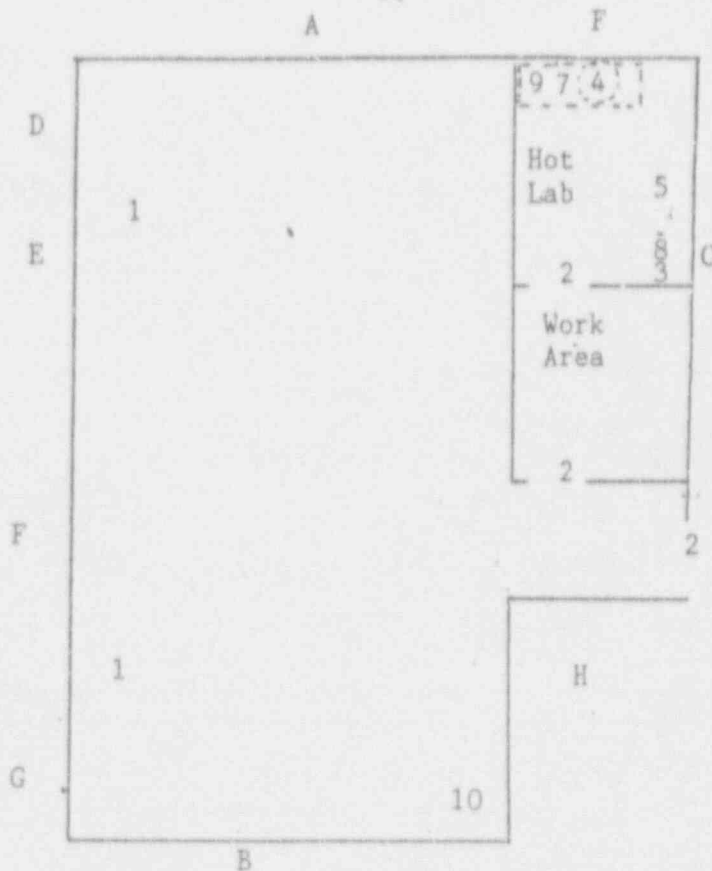
Adjacent Areas

<u>A</u>	<u>Stairway</u>
<u>B</u>	<u>Ultrasound</u>
<u>C</u>	<u>Hallway</u>
<u>D</u>	<u>Elevator</u>
<u>E</u>	<u>Restroom</u>
<u>F</u>	<u>File Room</u>
<u>G</u>	<u>Duct Work</u>
<u>H</u>	<u>Q.C. Area</u>

Lead Castle

## Lead Shielding

<u>5</u>	<u>Pb L-Shield</u>
<u>---</u>	<u>L x 12" W x 18" H x 1/2" T</u>
<u>9</u>	<u>Pb Castle in Fume Hood</u>
<u>24"</u>	<u>L x 24" W x 12" H x 2" T</u>
<u>4</u>	<u>Generator Shield</u>
<u>12"</u>	<u>L x 12" W x 16" H x 2" T</u>
<u>---</u>	<u>L x --- W x --- H x --- T</u>



N ←

Scale 1/8" = 1'

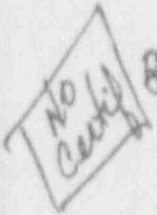
Item #9  
 2 of 2 pages  
 Prepared: 6/4/92  
 Lic. #13-01631-05

CONTROL No.

93601

ITEM # 7

The Curriculum Vitae of each of the proposed Authorized users is attached.

- 
1. Edwin B. Watkins, Jr., M.D., for material described in 35.400.
  2. William R. Rate, M.D., Ph.D., for material described in 35.400
  3. Thomas C. Dugan, M.D., for material described in 35.400
  4. Robert A. Deweese, M.D., for material described in 35.100, 35.200, 35.300, and 31.11



ITEM #2

On September 25, 1992, Bartholomew County Hospital will be conducting business under the name of Columbus Regional Hospital. The address remains the same. All areas within the License will remain as stated in the License.

Item # 2  
1 of 1 pages  
Prepared: 6/4/92  
License #13-01631-05

CONTROL NO.

93601

NAVAL HOSPITAL CHARLESTON SC  
RADIATION SAFETY COMMITTEE

STATEMENT TO AUTHORIZED USER:

In accordance with Title 10 of the Code of Federal Regulations, Section 35.22(b)(2), the certification, training, and experience of Robert A. Deweese, M.D. has been reviewed by this committee on 23 August 1988. Based on this and the information attached, Robert A. Deweese, M.D. is hereby designated an authorized user as defined in Title 10 CFR 35.2 at Naval Hospital Charleston under NRMP 39-68084-11NP for the following:

- 1) The use of radiopharmaceuticals for uptake, dilution, and excretion studies as defined in 10 CFR 35.100.
- 2) The use of radiopharmaceuticals, generators, and reagent kits for imaging and localization studies as defined in 10 CFR 35.200.
- 3) The use of radiopharmaceuticals for therapeutic use as defined under 10 CFR 35.300.
- 4) The supervision of byproduct material for invitro clinical or laboratory testing under the provisions of 10 CFR 31.11.

CONTROL NO. 93601

enc

enclosure (4)

TRAINING AND EXPERIENCE  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER  DEWEESE, ROBERT A		2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE IN		
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
American Board of Radiology	Diagnostic Radiology	May 1988		
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	App. 120 hours of training from July 1984	120 hours	15	
b. RADIATION PROTECTION	to June 1987 Methodist Hospital 1701 N. Senate Ave. Indianapolis, IN	as above	1	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY		as above	0	
d. RADIATION BIOLOGY	as above	as above	0	
e. RADIOPHARMACEUTICAL CHEMISTRY	as above	as above	3	
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc99m	30mCi	Methodist Hosp. of Ind. 1701 N. Senate Indianapolis, IN	6 months of Clinical Nuclear Medicine	First pass heart, HIDA, Perf/Vent lung Thyroid scans/ treatment, Abscess scans, Myocardial scans
I131	150mCi			
Ga67	3mCi			
In111	500uCi			
Tl201				
Xe133				



## Supplement B

## PRECEPTOR STATEMENT

## 1. PROPOSED PHYSICIAN USER'S NAME AND ADDRESS

## FULL NAME

Robert A. DeWeese

## STREET ADDRESS

10 Locharron Terrace

## CITY

Charleston

## STATE

SC

## ZIP CODE

29414

## 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	3	
	LIVER FUNCTION STUDIES		
	FAT ABSORPTION STUDIES		
	KIDNEY FUNCTION STUDIES	40	
	IN VITRO STUDIES		
OTHER			
I-125	DETECTION OF THROMBOSIS		
I-131	THYROID IMAGING	80	
P-32	EYE TUMOR LOCALIZATION		
Sr-75	PANCREAS IMAGING		
Yb-169	CISTERNOGRAPHY		
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	40	
OTHER*			
Tc-99m	BRAIN IMAGING	120	
	CARDIAC IMAGING	400	
	THYROID IMAGING	150	
	SALIVARY GLAND IMAGING		
	BLOOD POOL IMAGING	60	
	PLACENTA LOCALIZATION		
	LIVER AND SPLEEN IMAGING	200	
	LUNG IMAGING	200	
	BONE IMAGING	400	
OTHER			



## Supplement B (Continued)

PROPOSED PHYSICIAN USER

Robert A. DeWeese

## 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		
P-32 (Colloid)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA	4	
	TREATMENT OF HYPERTHYROIDISM	12	
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	TELE THERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR		
Sr-90/ Y-90	GENERATOR	10	
Tc-99m	REAGENT KITS		
Other			

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

DATES OF TRAINING: Aug 1984, Jan 1986, Feb 1986, Aug 1986, Feb 1987, Feb 1988

TOTAL NUMBER OF HOURS:

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

A. NAME OF SUPERVISOR

Jerry Knight M.D.

B. NAME OF INSTITUTION

Methodist Hosp. of Indiana

C. MAILING ADDRESS

1701 N. Senate Avenue

D. CITY

Indianapolis, IN 46214

E. MATERIALS LICENSE NUMBER(S)

13-02063-01

F. PRECEPTOR'S SIGNATURE

Jerry L. Knight, M.D.

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

Jerry L. Knight, M.D.

H. DATE

July 26, 1988





HEALTH PROFESSIONS BUREAU

RENEWAL NO. 4323066

LICENSE NO. 21034434

ROBERT ALAN DEVEESE

IS DULY CREDENTIALLED AS PRESCRIBED BY INDIANA LAW AS A

PHYSICIAN

MEDICAL LICENSING BOARD

TO ENGAGE IN SUCH PURSUIT UNTIL

06/30/91

UNLESS SUSPENDED OR REVOKED BY LAW

WRITTEN SIGNATURE *Robert A. Deveese*

NOT VALID UNLESS SIGNED IN BLUE

111111

98601

# Physician's License



## This is to Certify That

ROBERT ALAN DEWEESE, M.D.

having complied with all the **Laws** of the State of Indiana relating to the practice of medicine and having satisfied the **Medical Licensing Board** of Indiana that he/she is properly qualified, is hereby granted this unlimited license to practice medicine in the State of Indiana as provided in the Acts of the 1975 General Assembly of the State of Indiana, Public Law No. 274.



In **Witness Whereof**, hereunto affixed the Seal and names of the President and Secretary of the Medical Licensing Board of Indiana, on this 1st day of July 1985.

*[Signature]*

PRESIDENT

*[Signature]*

SECRETARY

LICENSE NO. 01034434

STATE OF INDIANA  
HEALTH PROFESSIONS BUREAU

RENEWAL NO. H456786

LICENSE NO. 01034434

ROBERT ALAN DEWEESE

IS DULY CREDENTIALLED AS PRESCRIBED BY INDIANA LAW AS A  
PHYSICIAN

MEDICAL LICENSING BOARD

TO ENGAGE IN SUCH PURSUIT UNTIL 06/30/93

UNLESS SUSPENDED OR REVOKED BY LAW

WRITTEN  
SIGNATURE

*Robert A. DeWeese*

NOT VALID UNLESS SIGNED BY AGO

CONTROL NO.

93601



STATE OF INDIANA  
HEALTH PROFESSIONS BUREAU

RENEWAL NO H456786  
LICENSE NO 01034434

ROBERT ALAN DEWEESE

IS DULY CREDENTIALLED AS PRESCRIBED BY INDIANA LAW AS A

PHYSICIAN

MEDICAL LICENSING BOARD

TO ENGAGE IN SUCH PURSUIT UNTIL 06/30/93

UNLESS SUSPENDED OR REVOKED BY LAW

WRITTEN SIGNATURE *Robert A. Deweese*  
(NOT VALID UNLESS SIGNED IN BLUE)

## Curriculum Vitae

Edwin Beale Watkins, Jr., M. D.

13925 Riding Loop Drive  
North Potomac, Maryland 20878  
(301) 340-7834Personal DataDate of Birth: April 18, 1951  
Place of Birth: Fort Knox, Kentucky  
Marital Status: Married  
Wife: Mary Ann Nance Watkins  
Children: Katherine Louise and Susan ElizabethEducationBachelor of Science, Zoology, August 1972  
University of North Carolina, Chapel Hill, NC  
Master of Science, Public Health, May 1974  
University of North Carolina, School of Public Health  
Ph.D., Medical Sciences - Anatomy, December 1979  
University of Nebraska, Omaha, NE  
M. D., Medicine, May 1984  
University of Nebraska, College of MedicineDiplomate

National Board of Medical Examiners, July 1988-Present

Board CertificationAmerican Board of Radiology -  
Radiation Oncology, May 26, 1988LicensureMaryland... Kansas... Pennsylvania... Iowa...  
West Virginia... Mississippi... NebraskaExperienceAugust 1, 1990 - Present  
Chief, Radiation Therapy Service, Department of Radiology  
Walter Reed Army Medical Center, Washington, D. C. 20307-5001  
July 1, 1988 - July 31, 1990  
Staff Radiation Oncologist, Walter Reed Army Medical Center  
June 1985 - July 1, 1988  
Resident, Radiation Oncology Branch  
National Cancer Institute, Bethesda, Maryland  
June 1984 - June 1985  
General Surgery Intern  
Madigan Army Medical Center, Tacoma, Washington  
September 1980 - May 1984  
Medical Student, University of Nebraska College of Medicine  
July 1975 - August 1980  
Medical Physicist, Division of Radiation Oncology,  
Department of Radiology, University of Nebraska Medical Center



CV: Edwin Beale Watkins, Jr., M. D., Page two

July 1974 - July 1975

Radiation Health Physicist,

Department of Radiation Health and Safety, University of Nebraska

June 1973 - May 1974

Radiological Health Trainee, School of Public Health

University of North Carolina at Chapel Hill

August 1972 - June 1973

Research Assistant - Study of Tumor Cell Kinetics Following Fractionated

Radiation Dose Regimens,

School of Public Health University of North Carolina at Chapel Hill

#### Awards & Honors

Elected to Alpha Omega Alpha National Medical Honor Society, April 1984.

Received a travel grant from the International Society for Experimental Hematology to attend and present research at the Eighth Annual Meeting in Rotterdam, The Netherlands, August 1979.

Awarded an Environmental Protection Agency, Office of Radiological Health Traineeship for the period June 1973 to May 31, 1974.

Merit Award for Scientific Research, Midwest Clinical Society Meeting, Omaha, NE, October 1979. "Transperineal Percutaneous I-125 Seed Implant Technique for Prostatic Cancer - A New Approach", P.P. Kumar, M.D., J.E. Taylor, M.D., E.O. Jones, Ph.D. and E.B. Watkins, Ph.D.

#### Additional Training

The Physics of High Energy Electron, X-ray and Neutron Dosimetry.  
M.D. Anderson Hospital, Houston, TX, January 30 - February 5, 1977.

Seminar on Radiotherapy Aids - Mould and Physics Techniques.  
Allegheny General Hospital, Pittsburgh, PA., May 3-7, 1976.

#### Professional Societies

Alpha Omega Alpha

American Medical Association

American Society of Therapeutic Radiology Oncology

American College of Radiology

American Society of Clinical Oncology

Nebraska Medical Association - inactive

Radiation Research Society - inactive

American Association of Physicians in Medicine - inactive

Society of Nuclear Medicine - inactive

Health Physics Society - inactive

American Congress of Governmental Industrial Hygienists - inactive

#### Protocols

Gynecologic Oncology Group

Walter Reed Radiation Oncology Representative, July 1988 - Present

Member, Radiation Therapy Committee, July 1980 - Present

Cervix Committee

Subcommittee to rewrite Radiation Therapy Procedures Manual

Pediatric Oncology Group

CALGB

CV: Edwin Beale Watkins, Jr., M. D., Page three

Publications

Papers

Watkins, E.B., Willhoit, D.C., and Clement, J.J., "The Combined Effect of Hydrogen Peroxide and Gamma Radiation on the Mitotic Activity of Ehrlich Ascites Tumor Cells", *Radiat. Res.* 69:379-384 (1977).

Watkins, E.B., and Sharp, J.G., "Growth and Survival of Irradiated Cultured Mouse Thymus Non-Lymphoid Cells", *J. Reticuloendothel. Soc.* 26, No. 1:209-219 (1979).

Jordan, R.K., Crouse, D.A., Harper, D.M., Watkins, E.B., and Sharp, J.G., "The Thymic Microenvironment", In Experimental Hematology Today, 1979, Ed. S.J. Baum, Springer-Verlag, pp 139 (1979).

Watkins, E.B., and Sharp, J.G., "Lymphohematopoietic Consequences of Infant and Adult Thymic Irradiation", In Experimental Hematology Today, 1980, Eds. S.J. Baum and G.D. Ledney, Springer-Verlag, p 81. (1981).

Sharp, J.G., and Watkins, E.B., "Cellular and Immunological Consequences of Thymic Irradiation", In Proc. EORTC Symposium on the Immunopharmacologic Effects of Radiotherapy, (J.B. Dubois, B. Serron and C. Rosenfield, eds.) pp 137-179. Raven Press, New York, 1981.

Cullan, G.M., Watkins, E.B., Anderson, R.W., Crouse, D.A., and Sharp, J.G., "The Development of T-Cell Function Studied Using Neonatally Thymecromized Reconstituted Infant Thymus Irradiated Mice", In Proceedings of the 1st International Meeting for Development and Comparative Immunology, Ed. B. Solomon. Pergamon Press, Oxford, pp 439-466.

Watkins, E.B., Findlay, P.F., Long, C., Gelman, E. and Zabel, A., "Enhanced Mucosal Reaction in AIDS/KS Patients Receiving Oropharyngeal Irradiation", *Int. J. Rad. Onc., Biol. and Physics*, Vol. 13, No. 9, Sept, 1987, pp 1403-1408.

Bader, J.L., Horowitz, M.E., Watkins, E.B., Dewan, R.D., Triche, T.J., Tsokos, M., Kinsella, T.J., Miser, J.S., Steinberg, S.M., and Glatstein, E., "Intensive Combined Modality Therapy of Small Round Cell and Undifferentiated Sarcomas in Children and Young Adults: Local Control and Patterns of Failure", *Journal of Radiotherapy and Oncology* (submitted).

CV: Edwin Beale Watkins, Jr., M. D., Page four

# Abstracts

Jordan, R.K., Crouse, D.A., Arnold, L.W., and Watkins, E.B., Dept. of Anatomy, U. of Neb. Medical Center, Omaha, NE. "Cellular Interaction in the Cultured Mouse Thymus". American Assoc. of Anatomists Meeting, Vancouver, B.C., April 2-6, 1978.

Watkins, E.B., and Sharp, J.G., "Radiosensitivity of Cultured Mouse Thymic Non-Lymphoid Cells". Radiation Research Society Meeting, Toronto, Canada, May 14-18, 1978.

Anderson, R.W., Crouse, D.A., Jordan, R.K., and Watkins, E.B., "Lymphomyeloid Stromal Cells, Morphological and Functional Characterization". Society for Experimental Hematology Meeting, Chicago, IL, Aug 27-31, 1978.

Crouse, D.A., Jordan, R.K., Harper, C.M., Watkins, E.B., and Sharp, J.G., "Macrophages in the Thymic Microenvironment". Midwest Autumn Immunology Conference, Nov 5-7, 1978, Dearborn, MI.

Harper, C.M., Watkins, E.B., Anderson, R.A., and Sharp, J.G., "Reevaluation of the Characteristics of Cultured Thymic Epithellum-Thymic Non-Lymphoid Cells". Proc. Int. Symp. Biol. Basis for Immunodef., Toronto, Canada, 1978.

Watkins, E.B., Crouse, D.A., Jordan, R.K., and Sharp, J.G., "Effects of Radiation on the Thymic Microenvironment in vivo and in vitro". Sixth International Congress of Radiation Research, Tokyo, Japan, 1979.

Watkins, E.B., and Sharp, J.G., "Infant and Adult Thymic Irradiation-Hematological and Immunological Consequences". Eight Annual Meeting, International Society for Experimental Hematology, Rotterdam, The Netherlands, August 20-24, 1979.

Watkins, E.B., Mann, S., Breitkreutz, J., and Sharp, J.G., "Alterations in Lymphocyte Traffic from the Thymus to the Spleen in Animals Receiving Infant or Adult Thymic Irradiations". British Society for Developmental Biology Meeting, Durham, England, September 4-7, 1979.

Watkins, E.B., and Sharp, J.G., "The Effects of Thymus Irradiation Studied Using a Mouse Model", Amer. Soc. Ther. Radiol. Meeting (abstract listed by title only), New Orleans, LA, October 1979.

Sharp, J.G. and Watkins, E.B., "Cellular and Immunological Consequences of Thymic Irradiation". EORTC Symposium on the Immunopharmacologic Effects of Radiotherapy, Montpellier, France, March 13-15, 1980.

Watkins, E.B., Mann, S.L., Cullan, G.M., Anderson, R.W., Crouse, D.A. and Sharp, J.G., "Prolonged Depressing of Alloreactivity in Infant Thymus Irradiated Mice", Radiation Research Society, 28th Annual Scientific Meeting, New Orleans, LA, June 1-5, 1980.

Cullan, G.M., Watkins, E.B., Mann, S., Anderson, R.W., Crouse, D.A. and Sharp, J.G., "The Development of T-Cell Function Studied Using Neonatally Thymectomized Reconstituted or Infant Thymus Irradiated Mice". 1st International Meeting for Developmental and Comparative Immunology, Aberdeen, Scotland, July 27-August 3, 1980.

## CURRICULUM VITAE

WILLIAM R. RATE, M.D., Ph.D  
11905 Durbin Drive  
Carmel, IN 46032  
(317) 873-0136

### PERSONAL DATA

Date of Birth:	February 13, 1953
Place of Birth:	Syracuse, New York
Marital Status:	Married Wife - Victoria
	Children - None

### CURRENT POSITION

1988-Present Staff Physician	Department of Radiation Therapy Methodist Hospital of Indiana Indianapolis, Indiana
---------------------------------	---

### EDUCATION

1985-1988 Resident	Department of Radiation Therapy Hospital of the University of Pennsylvania Philadelphia, Pennsylvania
1984-1985 Medical Intern	Department of Internal Medicine Crozer-Chester Medical Center Upland, Pennsylvania
1984	M.D. Hahnemann University School of Medicine Philadelphia, Pennsylvania
1980	Ph.D. in Microbiology and Immunology Temple University School of Medicine Philadelphia, Pennsylvania
1975	B.A. in Biology University of Pennsylvania Philadelphia, Pennsylvania

### BOARD CERTIFICATION

1988	American College of Radiology - Radiation Oncology
------	--



### AWARDS

- 1983 Induction into Zeta Chapter of Alpha Omega Alpha  
National Medical Honor Society
- 1983 Recipient of First Annual Simon Kramer Fellowship
- 1979-1980 National Institute of Health Predoctoral Fellowship

### PRESENTATIONS

1. Given Institute of Pathobiology  
Aspen, Colorado  
"Flavone Inhibition of Aflatoxin B1 Induced Cytotoxicity in Cultured Rat Liver Cells", July, 1979.
2. American Society of Therapeutic Radiology and Oncology  
Boston, Massachusetts  
"Palliative Treatment of Metastatic Melanoma", October 1987.
- American Society of Therapeutic Radiology and Oncology  
New Orleans, Louisiana  
"Late Orthopedic Effects in Children with Wilms" Tumor Treated with Abdominal Irradiation", October, 1988.
4. American Radium Society  
Scottsdale Arizona  
"Surgical Resection and Intraoperative Radiation Therapy for Head and Neck Carcinoma Recurrence in Previously Irradiated Fields," April, 1990.
5. Third International IORT Symposium  
Kyoto, Japan  
"Intraoperative Radiation Therapy for Advanced or Recurrent Head and Neck Malignancies," November, 1990.

### SOCIETIES

Alpha Omega Alpha  
American Society for Therapeutic Radiology and Oncology  
American Society for Clinical Oncology  
American College of Radiology  
American Society for the Advancement of Science  
Indiana State Medical Association  
Marion County Medical Society

### ACADEMIC POSITIONS

- 1980 - 1981 Assistant Professor  
Department of Science  
Widener University  
Chester, Pennsylvania
- 1985 - 1988 Instructor  
Department of Radiation Oncology  
Hospital of the University of PA  
Philadelphia, PA
- 1990 Medical Director  
School of Radiation Therapy Technology  
Methodist Hospital of IN  
Indianapolis, IN

### PUBLICATIONS

1. Schwartz, A. G., and Rate, W. R.: Inhibition of Aflatoxin B1 Induced Cytotoxicity and Binding to DNA in Cultured Rat Liver Cells by Naturally Occurring Flavones. *J. Environ. Pathol. Toxicol.* 2:1021-1028, 1979.
2. Rate, W. R., and Schwartz, A. G.: Inhibition of Rat Liver Microsomal Aflatoxin B1 Activation and Binding to DNA by Naturally Occurring Flavones. *J. Am. Coll. Toxicol.* In Press.
3. Rate, W. R., Solin, L. J., and Turrisi, A.T.: Palliative Radiotherapy for Metastatic Malignant Melanoma: Brain Metastases, Bone Metastases, and Spinal Cord Compression. *Int. J. Radiat. Oncol. Biol. Phys.* 15:859-864, 1988.
4. Rate, W. R., Butler, M., Patterson, R., and D'Angio, G.: Late Orthopedic Effects in Children with Wilms' Tumor Treated with Abdominal Irradiation. *Int. J. Radiat. Oncol. Biol. Phys.* 15:206(S), 1988.
5. Rate, W. R., and Solin, L. J., Mediastinoscopy Scar Tract Metastasis: Implication for Radiotherapeutic Treatment. *Cancer* 63:89-90, 1989.
6. Rate, W. R., Belasco, J. B., Littman, P., and D'Angio, G.: Intermittent Low Dose Central Nervous System Irradiation for the High Risk Pediatric Leukemia Patient. Abstract. SIOP XX Meeting, Trondheim, Norway. 1988.
7. Butler, M. S., Robertson, W. W., Rate, W. R., D'Angio, G., and Drummond, D. S.: Skeletal Sequelae of Radiation Therapy for Malignant Childhood Tumors. *Clinical Orthopaedics and Related Research*, Vol. 251: 235-240, 1990.
8. Garrett, P., Ross, D., Pugh, N., and Rate, W.: The Role of Radiation Therapy in Stage I Endometrial Carcinoma. *Ind. Med.* 8:560-562, 1990.



9. Rate, W.R., Garrett, P., Ross, D., Pugh, N., Haerr, R., Dugan, R., Hamaker, R., Singer, M., and Charles, G.: Intraoperative Radiation Therapy for Recurrent Head and Neck Cancer. *Cancer*. Vol. 67, No. 11, pp. 2738-2740, June 1991.
10. Garrett, P., Rate, W., Hamaker, R., Singer, M., Pugh, N., Ross, D., Haerr, R., Dugan, T., Freeman, S., and Charles, G.: Intraoperative Radiation Therapy for Advanced and Recurrent Head and Neck Malignancies., *Proc., Third Internat. IORT Symp.* Pergamon Press, 1991.
11. Butler, M.S., Robertson, W.W., Drummond, D.S., D'Angio, G.J., and Rate, W.R.: Spinal Deformity Following Radiation for Malignancy in the Growing Child. *Bone Joint Surg.* In Press.
12. Rate, W.R., Butler, M., Robertson, W., and D'Angio, G.: Late Orthopedic Effects of Abdominal Irradiation in Children with Wilms' Tumor. *Medical and Pediatric Oncology* 19:265-168, 1991.
13. Robertson, M.S., Butler, M.S., D'Angio, G.J., and Rate, W.R.: Leg Length Discrepancy Following Irradiation for Childhood Tumors. *J of Pediatric Orthopaedics*, 11:284-287, 1991
14. Herbert, S.H., Solin, L.S., Rate, W.R., Schultz, D.J., and Hanks, G.E.: The Effect of Palliative Radiotherapy on Epidural Compression Due to Metastatic Malignant Melanoma. Submitted to *Cancer*.

REV: 7/91

WILLIAM R. RATE, MD, PhD  
CONTINUING EDUCATION CREDITS

1992-Date	TOPIC	PLACE	CE HOURS
1/13	Prognosis in Breast Cancer Breast Cancer Conference	Community Hos. Indpls. IN	1.5

CONTROL NO. 93601

WILLIAM R. PATE, MD, PhD  
CONTINUING EDUCATION CREDITS

1991-Date	TOPIC	PLACE	CE HOURS
4/27	Tumor Board - Bartholomew County Hospital Columbus, IN		1
5/6	Chemo Prophylaxis for Breast Cancer Breast Cancer Conference	Community Hos. Indpls, IN	1.5
6/8	IORT in Recurrent Cancer of Head & Neck Radition Oncology Resident's Day Speaker, IU School of Medicine	Indpls, IN	1
6/13	Breast Cancer-Radiation Therapy Speaker, Seminar: Current Developments in Public Health	Nashville	1
8/5	Regional Nodal Irradiation in the Conservative Treatment of Breast Cancer Breast Cancer Conference	Community Hos. Indpls., IN	1.5
8/29	Breast Cancer Mgt Seminar (Speaker) "New Treatment Options in Radiation"	MHI	1
9/12-13	Intl. Conf. on Thoracic Oncology and Brachytherapy	Booth Memorial Med. Ctr. Flushing, NY	14
11/4-7	ASTRO 33rd Annual Meeting Washington, DC	ACR Reston, VA	24
1991 Jan.-Dec.	Cancer Conference, Methodist Hospital	Indpls., IN	??
1991 YTD TOTAL			45+

WILLIAM R. RATE, MD, PhD  
CONTINUING EDUCATION CREDITS

1990-Date	TOPIC	PLACE	CE HOURS
2/5	The Role of R.T. in Early Stage Breast Cancer	Community Hos. Indpls., IN	1.5
3/3	Tumor Board - Bartholomew County Hospital Columbus, IN		1
3/31	Tumor Board - Bartholomew County Hospital Columbus, IN		1
4/19-21	2nd Intl Brachytherapy & Remote Afterloading Symposium	St. Louis, MO	19
4/22-25	American Radium Society	Scottsdale, AZ	20
5/22	Breast Cancer Conference "Techniques and Cytology"	Community Hos. Indpls., IN	1.5
8/20/90	Breast Cancer Conference	Community Hos. Indpls., IN	1.5
10/3/90	"Advances in Photodynamic Therapy of Malignant Tumors"	Grant Medical Ctr. Columbus, OH	8
10/22-24/90	14th Annual Scripps Memorial Hospital Cancer Symposium	Scripps Mem. Hos. San Diego, CA	20.5
11/3/90	Indiana Radiation Therapy Association Annual Meeting	St. Vincent Hos. Indpls, IN	1
1990 Jan. - Dec.	Cancer Conference, Methodist Hospital	Indpls, IN	14
1990 YTD TOTAL			86



1989-Date	TOPIC	PLACE	CE HOURS
1/28	Tumor Board - Bartholomew County Hospital	Columbus, IN	1
2/25	Tumor Board - Bartholomew County Hospital	Columbus, IN	1
6/24	Tumor Board - Bartholomew County Hospital	Columbus, IN	1
10/28	Tumor Board - Bartholomew County Hospital	Columbus, IN	1
5/21-23	American Society of Clinical Oncology	San Fran, CA	16
10/2-6	Amer Soc of Therapeutic Radiology & Onco.	San Fran, CA	3
Jan-Dec.	Cancer Conference, Methodist Hospital	Indpls, IN	22
1989 TOTAL			45

## CURRICULUM VITAE

THOMAS CARPER DUGAN, M.D.

Home:	11762 River Ridge Dr. Fishers, IN 317-577-8871	Work:	Dept. Radiation Oncology Methodist Hospital of Indiana, Inc. Indianapolis, IN 317-929-3172
-------	--	-------	---

<u>PERSONAL:</u>	Date of Birth:	10-16-60
	Married:	Pamela Jean Dugan Sons, Nicholas & Christopher

### UNDERGRADUATE EDUCATION:

DePauw University - Greencastle, IN  
Bachelor of Arts in Mathematics, 1982

### MEDICAL EDUCATION:

Indiana University - Indianapolis, IN  
Doctor of Medicine with Highest Distinction, 1986

### POST GRADUATE TRAINING:

1986-87:	Transitional Intern Methodist Hospital of Indiana Indianapolis, IN
1987-90:	Resident in Radiation Medicine
1989-90:	Chief Resident Massachusetts General Hospital Harvard University School of Medicine Boston, MA

### HONORS:

Phi Beta Kappa (1981)  
Alpha Omega Alpha (1985)



#### HOSPITAL APPOINTMENTS:

1. Methodist Hospital of Indiana - Indianapolis, Indiana, 1990 -
2. Bartholomew County Hospital - Columbus, Indiana, 1990 -
3. Howard Community Hospital - Kokomo, Indiana, 1990 -
4. Union Hospital - Terre Haute, Indiana, 1990 -

#### PUBLICATIONS:

1. Dugan, T.C., Verhey, L.J., Shipley, W.U., Young, R.H., McManus, P.L., Munzenrider, J.E., Abraham, E.H., Althausen, A.F., Heney, N.M.: "Post-Irradiation Biopsy of the Prostate in Stage T-3 Prostatic Cancer: Correlation With Original Histologic Grade and With Current PSA Values," Abstract accepted for presentation for the 1990 A.S.T.R.O. Meeting and publication in International Journal of Radiation, Oncology, Biology and Physics, 1990.
2. Dugan, T.C., Shipley, W.U., Hernandez, R.A.: "Combination Radiation Therapy and Chemotherapy in Muscle-Invasive Cancer of the Bladder: The Potential for Bladder Conservation," Resident and Staff Physician, Oct., 1990, Vol. 36, No. 10, pp61-69.
3. Dugan, T.C., Shipley, W.U., Young, R.H., Verhey, L.J., Althausen, A.F., Heney, N.M.: "Biopsy After External Beam Radiotherapy for Adenocarcinoma of the Prostate," Accepted 1991 Journal of Urology

Rev.: 5/91

METHODIST HOSPITAL OF INDIANA, INC.  
INDIANAPOLIS, INDIANA

INTER-OFFICE CORRESPONDENCE

FROM: CONTINUING MEDICAL EDUCATION

SUBJECT: 1990 GRAND ROUNDS PARTICIPATION LISTING

TO: THOMAS DUGAN, M.D.

Listed below are the Grand Rounds meetings that you attended:

06/27/90 TUMOR BD.: 4 SPECIAL CANCER SACES PRESENTED  
09/05/90 TUMOR BD.: LUNG CARCINOMA

07/18/90 TUMOR BD.: CHEMOTHERAPY  
08/01/90 TUMOR BD.: CARCINOMAS OF HEAD & NECK - LARYNGEAL CANCERS  
08/08/90 TUMOR BD.: RESEARCH PROTOCOLS  
08/15/90 TUMOR BD.: BONE MARROW TRANSPLANT IN BREAST CANCER  
08/22/90 TUMOR BD.: INTRA-OPERATIVE RADIATION THERAPY  
10/17/90 TUMOR BD.: URINARY INCONTINENCE  
10/31/90 TUMOR BD.: BREAST RECONSTRUCTION  
11/14/90 TUMOR BD.: MESOTHELIOMA  
11/28/90 TUMOR BD.: HLA TYPING  
12/05/90 TUMOR BD.: CANCER ISSUES IN ELDERHEALTH  
12/19/90 TUMOR BD.: ELI LILLY RESEARCH PROTOCOLS

CONTROL NO. 93601

*Radiation Oncology*



BARTHOLOMEW COUNTY HOSPITAL

THIS IS TO CERTIFY THAT: THOMAS C. DUGAN, M.D.

HAS ATTENDED: TUMOR BOARD CONFERENCE  
(NAME OF PROGRAM)

LOCATION: EAST CONFERENCE ROOM

DATE(s): SATURDAY, NOVEMBER 17, 1990

AND IS ELIGIBLE FOR 1 HOURS OF CATEGORY I CREDIT  
TOWARDS THE PHYSICIAN'S RECOGNITION AWARD OF THE AMERICAN  
MEDICAL ASSOCIATION, OR \_\_\_\_\_ HOURS OF PRESCRIBED  
CREDIT BY THE AMERICAN ACADEMY OF FAMILY PHYSICIANS.

On September 25, 1992, Bartholomew County Hospital will be conducting business under the name of Columbus Regional Hospital. The address remains the same. All areas within the License will remain as stated in the License.