

OHIO DEPARTMENT OF HEALTH  
LICENSE FOR RADIOACTIVE MATERIAL

Pursuant to Chapter 3748 of the Ohio Revised Code, and in reliance on statements and representations made by the licensee, a license is hereby issued authorizing the licensee named herein to receive, acquire, possess, and transfer radioactive material as 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 applications of Chapter 3748 of the Ohio Revised Code and all applicable rules promulgated thereunder. This license is subject to all applicable rules, regulations and orders of the Ohio Department of Health now or hereinafter in effect and to any conditions specified below.

LICENSEE	LICENSE NUMBER
1. Flower Hospital  2. 5200 Harroun Road Sylvania, Ohio 43560-2196	3. 02120490004
	EXPIRATION DATE
	4. August 1, 2008
	5. RESERVED

6. RADIOACTIVE MATERIAL	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM QUANTITY THAT LICENSEE MAY POSSESS AT ANY ONE TIME UNDER THIS LICENSE
A. Any radioactive material permitted by rule 3701:1-58-32 of the Ohio Administrative Code	A. Any radiopharmaceutical	A. As needed
B. Any radioactive material permitted by rule 3701:1-58-34 of the Ohio Administrative Code	B. Any radiopharmaceutical	B. As needed
C. Any radioactive material permitted by rule 3701:1-58-37 of the Ohio Administrative Code	C. Any radiopharmaceutical	C. 370 GBq (10 Ci)
D. Any radioactive material permitted by rule 3701:1-58-43 of the Ohio Administrative Code	D. Any brachytherapy sources	D. 370 GBq (10 Ci)
E. Iridium-192 permitted by rule 3701:1-58-55 of the Ohio Administrative Code	E. Sealed source (GammaMed 232, or equivalent)	E. Two sources not to exceed 795.5 GBq (21.5 Ci) total in one location, one source not to exceed 444 GBq (12 Ci)
F. Any radioactive material permitted by rule 3701:1-46-11 of the Ohio Administrative Code	F. Prepackaged Kits	F. As needed
G. Yttrium-90	G. Any form	G. 4.1 GBq (110 mCi)
H. Uranium depleted in Uranium-235	H. Cadmium plated metal	H. As needed

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SUPPLEMENTARY SHEET	Amendment No. <b>22</b>

9. Authorized Use

- A. Any uptake, dilution and excretion study permitted by rule 3701:1-58-32 of the Ohio Administrative Code.
- B. Any imaging and localization study as permitted by rule 3701:1-58-34 of the Ohio Administrative Code.
- C. Any medical use permitted by rule 3701:1-58-37 of the Ohio Administrative Code.
- D. Any brachytherapy sources for therapeutic medical use permitted by rule 3701:1-58-43 of the Ohio Administrative Code.
- E. One sealed source for therapeutic use permitted by rule 3701:1-58-55 of the Ohio Administrative Code, in a GammaMedPlus 3/24 remote afterloader unit. One sealed source in its shipping container for replacement in the remote afterloader unit.
- F. In vitro studies permitted by rule 3701:1-46-11 of the Ohio Administrative Code.
- G. Calibration and reference source for Yttrium-90 Zevalin use.
- H. Shielding in a linear accelerator.

CONDITIONS

10. Licensed material may only be used at the licensee's facilities located at:

Flower Hospital  
5200 Harroun Road  
Sylvania, Ohio 45360-2196

Lake Park Continuing Care Facility  
5100 Harroun Road  
Sylvania, Ohio 45360-2196

(diagnostic/therapeutic administration of radiopharmaceuticals only)

11. Radiation Safety Officer for this license is:

**James C. Burns, M.S.**

12. Licensed material is only authorized for use by, or under the supervision of:

- 1. Individuals permitted to work as an authorized user, authorized nuclear pharmacist, and / or authorized medical physicist in accordance with rule 3701:1-58-08 and 3701:1-58-09 of the Ohio Administrative Code.
- 2. The following individuals are authorized users for the material and medical uses indicated:

Authorized User	Material and Uses
A. Debra S. Achinger, M.D.	A. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-58-37 of the Ohio Administrative Code.
B. Faheem Ahmad, M.D.	B. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
C. Rajender K. Ahuja, M.D.	C. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
D. Wayne S. Court, M.D.	D. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
E. Amy Culler, M.D.	E. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-58-37 of the Ohio Administrative Code.
F. Robert S. Disalle, M.D.	F. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.

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Authorized User	Material and Uses
G. Malcom T. Doyle, M.D.	G. Uses permitted by rules 3701:1-58-32, 3701:1-58-34, 3701:1-58-37 and 3701:1-46-11 of the Ohio Administrative Code.
H. John Feldmeier, D.O.	H. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
I. James A. Fugazzi, M.D.	I. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
J. Murray A. Howe, M.D.	J. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
K. Harold A. Johnson, M.D.	K. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
L. Allan S. Kaufman, M.D.	L. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
M. Blaine A. Keigley, M.D.	M. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
N. Vincent J. Keiser, M.D.	N. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
O. Roger T. Kucway, M.D.	O. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
P. Steven Kumar-Jindal, M.D.	P. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-58-37 of the Ohio Administrative Code.
Q. Gerald W. Marsa, M.D.	Q. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
R. Tamara S. Martin, M.D.	R. Uses permitted by rules 3701:1-58-32, 3701:1-58-34, 3701:1-58-37 and 3701:1-46-11 of the Ohio Administrative Code.
S. William K. Mueller, M.D.	S. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
T. William G. Novak, M.D.	T. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
U. Dhaval Kirit Parikh, M.D.	U. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
V. Parag U. Parikh, M.D.	V. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
W. David A. Parker, M.D.	W. Uses permitted by rules 3701:1-58-32, 3701:1-58-34, 3701:1-58-37 and 3701:1-46-11 of the Ohio Administrative Code.
X. Charles I. Price, M.D.	X. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.

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Authorized User	Material and Uses
Y. Timothy J. Quinn, M.D.	Y. Uses permitted by rules 3701:1-58-32, 3701:1-58-34, 3701:1-58-37 and 3701:1-46-11 of the Ohio Administrative Code.
Z. Steven J. Rubin, M.D	Z. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.
AA. Robin B. Shermis, M.D.	AA. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
BB. Ibrahim Naveed Syed, M.D.	BB. Uses permitted by rules 3701:1-58-32, 3701:1-58-34, 3701:1-58-37 (limited to the treatment of hyperthyroidism) and 3701:1-46-11 of the Ohio Administrative Code.
CC. Stephen F. Stoll, M.D.	CC. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and oral administration of sodium iodide Iodine-131 as permitted in rule 3701:1-58-37 of the Ohio Administrative Code.
DD. Keith D. Wilson, M.D.	DD. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
EE. Jonathan J. Yobbagy, M.D.	EE. Uses permitted by rules 3701:1-58-32, 3701:1-58-34 and 3701:1-46-11 of the Ohio Administrative Code.
FF. Steven R. Zeidner, M.D.	FF. Uses permitted by rules 3701:1-58-37, 3701:1-58-43 and Iridium-192 in an HDR device as permitted by rule 3701:1-58-55 of the Ohio Administrative Code.

3. The following individual is an authorized medical physicist:

Authorized Medical Physicist	Material and Uses
A. Ishmael Parsai, Ph.D.	A. Iridium-192 for use in a High Dose Rate Remote Afterloader Unit
B. Lloyd Scot Larson, M.S.	B. Iridium-192 for use in a High Dose Rate Remote Afterloader Unit

13. All persons performing activities meeting the definition of "Nuclear Medicine Technologists" as specified in R.C. 4773.01 shall be licensed and in good standing with the State of Ohio.
14. All sealed sources that are used or obtained shall have been evaluated and approved under the provisions of rule 3701:1-46-49 of the Ohio Administrative Code or by equivalent NRC or Agreement State regulation.
15. The licensee shall establish and implement a bioassay program for all individuals involved with preparation and administration of Iodine-131 therapy doses in excess of 30 millicuries. The program shall be equivalent to that outlined in Appendix P of Regulatory Guide 10.8 Revision 2.
16. The licensee shall maintain records of information related to decommissioning at the location listed in item 2 of this license as specified in rule 3701:1-40-17(I) of the Ohio Administrative Code until this license is terminated by the Commission.

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17. In addition to the requirements in rule 3701:1-58-30 of the Ohio Administrative Code, any patient administered gamma emitting radiopharmaceuticals or permanent brachytherapy sources shall be provided a patient release card to include:

- (1) The patient's name.
- (2) The radionuclide administered and its activity.
- (3) The facility name which administered the radionuclide.
- (4) The date of the administration of the radionuclide.
- (5) The expiration date of the card.

The card is not applicable to those patients who are institutionalized (Hospitals, Nursing Homes, Correctional Institutions, etc.) or whose radiation levels do not exceed 0.1 mR/hr at one meter.

18. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of sealed source licensed material to quantities below the minimum limit specified in rule 3701:1-40-17(B) of the Ohio Administrative Code for establishing decommissioning financial assurance.

19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Ohio Department of Health's statutes, rules, and orders shall govern unless statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

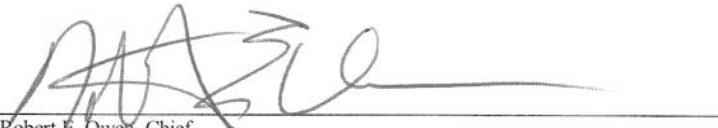
- A. Application dated May 20, 2003.
- B. Facsimile letters dated June 16, 2003 August 5, 2003, August 12, 2003 and August 27, 2003.
- C. Amendment #13 of license 02120490004; renews license in its entirety.
- D. Letter dated October 20, 2004.
- E. Amendment to convert to rule 58 of the Ohio Administrative Code (Amendment # 15)
- F. Facsimile dated November 3, 2005 (Amendment #16)
- G. Director's Order dated April 21, 2006. (Amendment #17)
- H. Letter dated July 17, 2006 (Amendment # 18)
- I. Letter signed November 1, 2006 (Amendment #19)
- J. Letter dated April 2, 2007 (Amendment #20)
- K. Letter dated July 2, 2007 (Amendment #21)
- L. Letter dated November 12, 2007 and facsimile dated December 13, 2007 (Amendment #22)

For the Ohio Department of Health

DATE:

12/27/07

BY:

  
 Robert E. Owen, Chief  
 for Director of Health



# OHIO DEPARTMENT OF HEALTH

246 North High Street  
Columbus, Ohio 43215

614/466-3543  
www.odh.ohio.gov

Ted Strickland/Governor

Alvin D. Jackson, M.D./Director of Health

December 28, 2007

Attn: Radiation Safety Officer  
Flower Hospital  
5200 Harroun Road  
Sylvania, Ohio 43560-2196

Re.: License No. 02120490004

Dear Radiation Safety Officer:

Enclosed is Amendment 22 to your State of Ohio Radioactive Materials License No. 02120490004 in accordance with your amendment request.

Please review the license to ensure that you understand all of the conditions. If you have any questions or detect any errors, do not hesitate to contact the Bureau of Radiation Protection at (614) 644-2727.

Your license will expire on 08/01/2008. You must conduct your radioactive material program in accordance with your license, representations made in your license application and the Ohio Administrative Code. In particular, you must:

1. Notify the Bureau of Radiation Protection in writing, within thirty days:
  - a. When an authorized user or Radiation Safety Officer discontinues duties under the license or has a name change.
  - b. When the licensee's mailing address changes.
2. Notify the Bureau of Radiation Protection promptly, in writing, to request termination of license.
  - a. When you decide to terminate all activities involving radioactive materials authorized under your license.
  - b. If you decide not to possess or use the authorized radioactive material.
3. Request to obtain a license amendment before you:
  - a. Receive or use radioactive material not authorized on your license.
  - b. Change Radiation Safety Officers.
  - c. Order radioactive material of different form of radionuclide or in excess of the authorized amount.
  - d. Add or change the areas of use, which involve the use of radioactive materials requiring a written directive.
  - e. Add or change areas or addresses of use identified in the license application or on the license.
  - f. Change ownership of the organization.
  - g. Permit anyone to work as an authorized user who is not listed on your license.
4. Submit a complete license Renewal Application or Termination Request at least 90 days before the expiration date of your license.

The Bureau of Radiation Protection will periodically inspect you. Failure to conduct your radioactive material program in accordance with State of Ohio regulations, license conditions and representations made in your license application may result in enforcement actions against you.

Sincerely,

Mark Light  
Licensing and Inspection Supervisor  
Bureau of Radiation Protection