



**Reid Hospital**  
& Health Care Services

December 10, 2009

Materials Licensing Section  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

Dear Sir or Madam:

We are requesting an amendment to NRC License Number 13-03284-02 for Reid Hospital & Health Care Services.

Please add Yunjie Xie Lin, M.D. for iridium-192 in HDR remote afterloading brachytherapy device.

I have included a copy of the Ball Memorial Hospital NRC License (license # 13-00951-03) which lists Dr. Lin as an authorized user for iridium-192 in remote afterloading brachytherapy device.

I have also included documentation of Dr. Lin's training on the Varian Varisource IX Model HDR Unit.

If there are any questions concerning this, please contact:

Eugene DiTullio, Director of Radiology Services, Phone: 765-983-3166

Charles Narayanan, Radiation Safety Officer, Phone: 765-983-3168

Sincerely,

Eugene DiTullio  
Director of Radiology Services



# Reid Hospital & Health Care Services

## Radiation Oncology

Phone: (765) 983-3168

Fax: (765) 983-3275

I have been trained in the Varisource IX Model HDR unit manufactured by Varian Medical Systems, USA.

### Training Topics:

1. Emergency Procedures
2. HDR unit operation
3. HDR Policies and Procedures

Date of Training: 12/08/09

Trainer: Charles Narayanan, B.S., B.S.E.E., M.S., M.S.B.A.

Signature: C.S. Narayanan  
AMP/RSO  
12/8/09

Person who received training: Yunjie Lin, MD

Signature: [Handwritten Signature]  
12/8/09

**Arvind Kumar, Ph.D., M.D.**  
Radiation Oncologist  
Diplomate ABR

**John Jacobs, M.D.**  
Radiation Oncologist  
Diplomate ABR

**Charles Narayanan, B.S., B.S.E.E., M.S., M.S.B.A.**  
Radiation Physicist  
Diplomate ABR

**Rosemary Ritchie, RT (R) (T) B.S., MHA.**  
Radiation Oncology  
Supervisor

**John Dehner, M.D. Emeritus**  
Radiation Oncologist  
Diplomate ABR

**Shiv Srivastava, M.S., D.R.P.**  
Radiation Physicist  
Diplomate ABR

**Mary Lizak, R.N., B.S.N.**  
Radiation Oncology  
Nurse

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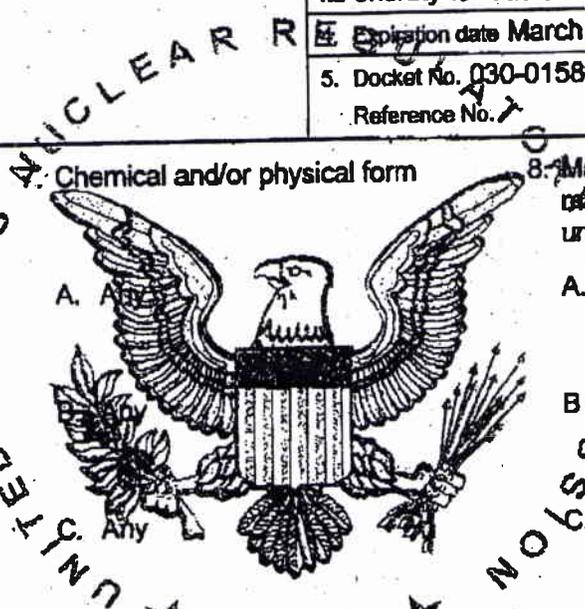
U.S. NUCLEAR REGULATORY COMMISSION

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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, 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.

<p>Licensee</p> <p>1. Ball Memorial Hospital</p> <p>2. 2401 W. University Avenue Muncie, IN 47303</p>	<p>In accordance with the letter dated <b>January 16, 2008.</b></p> <p>3. License number 13-00951-03 is amended in its entirety to read as follows:</p> <p>4. Expiration date <b>March 31, 2014</b></p> <p>5. Docket No. <b>030-01586</b> Reference No. <b>T</b></p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Any byproduct material permitted by 10 CFR 35.400</p> <p>E. Any byproduct material identified in 10 CFR 31.11</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>C. Any</p> <p>D. Sealed sources (AM Model Nos. 6500 Series and 8520 Series (formerly 6D6C) and 6B6G, North American Scientific, Inc. model Nos. MED3631 and MED3633; Bard Brachytherapy Model STM-1251 and Theragenics Corporation Model 200)</p> <p>E. Prepackaged kits</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 3 curies</p> <p>D. 5 curies</p> <p>E. 150 millicuries</p>
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MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number 13-00951-03

Docket or Reference Number 030-01586

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6. Byproduct, source, and/or special nuclear material

F. Iridium-192 permitted by 10 CFR 35.600

7. Chemical and/or physical form

F. Sealed sources (Nucletron Model No. 105.002, manufactured by Mallinckrodt Medical BV or AEA Technology, Inc)

8. Maximum amount that licensee may possess at any one time under this license

F. 1 sources not to exceed 12 curies and 1 source not to exceed 9 curies, 21 curies total

9. Authorized use:

A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.

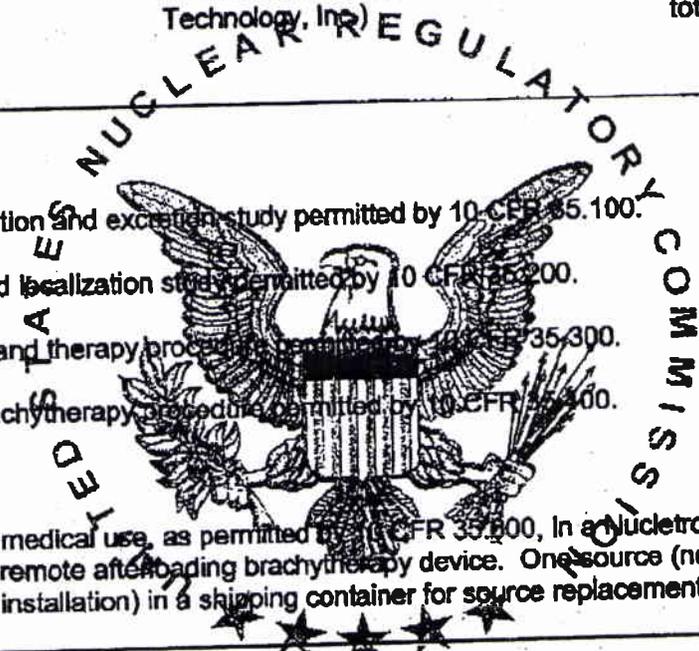
B. Any imaging and localization study permitted by 10 CFR 35.200.

C. Any diagnostic and therapy procedure permitted by 10 CFR 35.300.

D. Any manual brachytherapy procedure permitted by 10 CFR 35.400.

E. In vitro studies.

F. One source for medical use, as permitted by 10 CFR 35.600, in a Nucletron MicroSelectron-HDR Model 105.999 remote afterloading brachytherapy device. One source (not to exceed 12 curies while stored pending installation) in a shipping container for source replacement.



CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2401 W. University Avenue, Muncie, Indiana and 1398 North Balwin Street, Marion, Indiana.

11. Radiation Safety Officer: Alvis E. Foster, M.S.

12. Authorized Medical Physicists: Alvis E. Foster, M.S. and Joseph R. Butts, M.S.

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

A. Individuals permitted to work as an authorized user, and/or authorized medical physicist in accordance with 10 CFR 35.13 and 35.14.

B. The following individuals are authorized users for medical use as indicated:

Authorized User

Material and Use

George A. Branam, M.D.

10 CFR 35.100 and 31.11.

Robert M. Domke, M.D.

10 CFR 35.100, 35.200 and 35.300.

Michael Joseph Malnowski, M.D.

10 CFR 35.100, 35.200 and 35.300, limited to diagnostic procedures only.

Carl W. Meyer, III, M.D.

10 CFR 35.100, 35.200, 35.300, limited to diagnostic procedures only and 31.11.

Catherine Cockerill Moran, M.D.

10 CFR 35.100, 35.200 and 35.300, limited to diagnostic procedures only.

J. William Whitaker, M.D.

10 CFR 35.200

Christopher J. Hollon, M.D.

10 CFR 35.100 and 35.200.

Richard G. Huss, M.D.

10 CFR 35.100, 35.200, 35.300 and 31.11.

Charles J. Leiphart, M.D.

10 CFR 35.100, 35.200, 35.300, and 31.11.

Daniel J. Daunhauer, M.D.

10 CFR 35.100, 35.200, 35.300, and 31.11.

Nathan E. Millikan, M.D.

10 CFR 35.100 and 35.200.

A. Stephen Tilmans, M.D.

10 CFR 35.300, 35.400 and iridium-192 in remote afterloading brachytherapy device.

Frank J. Conte, M.D.

10 CFR 35.100 and 35.200.

Fred H. Francis, M.D.

10 CFR 35.300, 35.400 and iridium-192 in remote afterloading brachytherapy device.

Lydia Delaney-Sathy, M.D.

10 CFR 35.100, 35.200 and 35.300 limited to diagnostic procedures only.

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MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number 13-00951-03

Docket or Reference Number 030-01586

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William Mason, M.D.

10 CFR 35.100, 35.200 and 35.300

Yunjie Xie Lin, M.D.

10 CFR 35.300 (excluding Iodine-131 for thyroid carcinoma therapy), 35.400 and Iridium-192 in remote afterloading brachytherapy device.

Sriram S. Nathan, M.D.

10 CFR 35.100 and 35.200.

William Bechtel, M.D.

10 CFR 35.100, 35.200 and 35.300 (excluding Iodine-131 for thyroid carcinoma therapy)

Daniel O. Donkor, M.D.

10 CFR 35.100 and 35.200.

John P. Jacobs, M.D.

10 CFR 35.300, 35.400 (limited to Iodine-125 and palladium-103) and Iridium-192 in remote afterloading brachytherapy device.

John D. Hubbard, M.D.

10 CFR 35.100 and 35.200.

Colleen M. Madden, M.D.

10 CFR 35.100 and 35.200.

Nathan M. Strabala, M.D.

10 CFR 35.100 and 35.200.

14. The licensee is authorized to transport, use and store in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

15. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

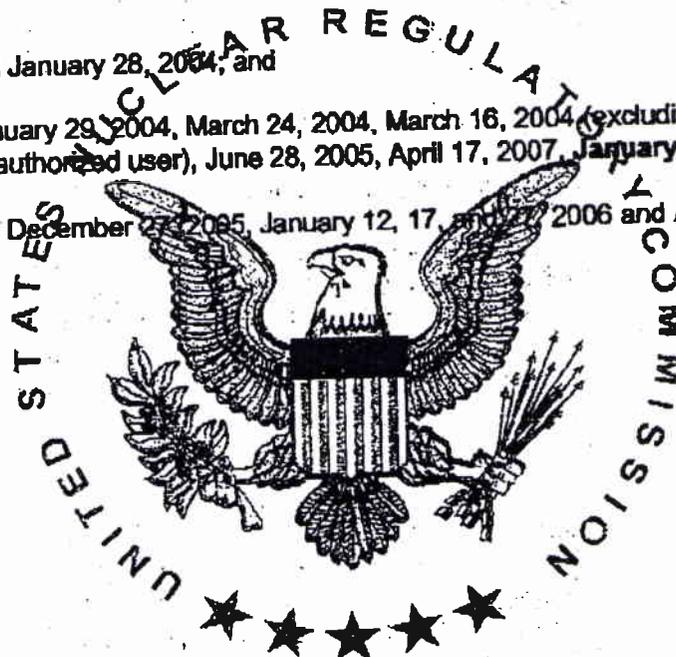
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16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. 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 January 28, 2004, and
- B. Letters dated January 29, 2004, March 24, 2004, March 16, 2004 (excluding request to add Yunjie Xie Lin, M.D. as authorized user), June 28, 2005, April 17, 2007, January 16, 2008; and
- C. Facsimiles dated December 27, 2005, January 12, 17, and 27, 2006 and April 21, 2008.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 21 2008

By

*Toye L. Simmons*

Toye L. Simmons  
Materials Licensing Branch  
Region III

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Richmond, Indiana 47374

[www.reidhospital.org](http://www.reidhospital.org)



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U.S. Nuclear Regulatory Commission,  
Region III  
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