

BARBARA ANN
KARMANOS
CANCER INSTITUTE

September 20, 2007

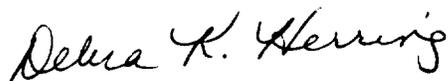
U.S. Nuclear Regulatory Commission, Region III
Materials Licensing Branch
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Attn: Loren Hueter

Re: Request for Authorized Medical Physicist Status for License #21-04127-06

This letter is a request to grant Authorized Medical Physicist (AMP) Status to Zubin Bharachu, M.S., for Iridium-192 in a High Dose Rate Remote Afterloading Brachytherapy device. Mr. Bharucha was identified as an AMP for this purpose on NRC license number 21-32501-01, signed September 17, 2004. A copy of that license is attached. If you require further assistance please feel free to contact our RSO Joe Rakowski at (313)745-1435. Thank you.

Sincerely



Debra Herring
Vice President, Ambulatory Operations
Karmanos Cancer Institute

RECEIVED OCT 02 2007

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
21-32501-01]

Docket or Reference Number
030-36539

Amendment No. 01

Philip A. Purser, M.D.

**Iridium-192 in a remote afterloading
brachytherapy device permitted by 10 CFR
35.600.**

Peter B. Hardin, M.D.

**Iridium-192 in a remote afterloading
brachytherapy device permitted by 10 CFR
35.600.**

C. The following individuals are Authorized Medical Physicists:

Jeffrey T. Colvin, M.S.

**Iridium-192 in High Dose Rate Remote Afterloading Brachytherapy
device and for calibrations, spot checks and training.**

Richard Mueller, M.S.

**Iridium-192 in High Dose Rate Remote Afterloading Brachytherapy
device and for calibrations, spot checks and training.**

Zubin H. Bharucha, M.S.

**Iridium-192 in High Dose Rate Remote Afterloading Brachytherapy
device and for calibrations, spot checks and training.**

13. The licensee is authorized to transport ~~radioactive material~~ in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material"

14. Except as specifically provided otherwise, 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 March 16, 2004; and,

B. Letter dated May 27, 2004.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

SEP 17 2004

Date _____

By James R. Mullauer
James R. Mullauer, M.H.S.
Materials Licensing Branch
Region III

MATERIALS LICENSE

Amendment No. 01

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. West Michigan Cancer Center</p> <p>2. 200 North Park Street Kalamazoo, MI 49007</p>	<p>In accordance with letter dated September 8, 2004,</p> <p>3. License number 21-32501-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date June 30, 2014</p> <p>Packet No. 030-36539 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Iridium-192 permitted by 10 CFR 35.600</p>	<p>Chemical and/or physical form</p> <p>Sealed sources (Various Medical Systems, Inc. Model GammaMed 22)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Two sources not to exceed 15 curies each</p>
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<p>9. Authorized Use:</p> <p>A. One source for medical use permitted by 10 CFR 35.600 in a Various Medical Systems, Inc. Model GammaMed P₁₂ remote afterloader device. The source activity may not exceed 10.5 curies at the time of installation, or 15 curies (not to exceed 15 curies while stored pending installation) in a shipping container, or source replacement.</p>
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- 10. Licensed material shall be used only at the licensee's facilities located at 200 North Park Street, Kalamazoo, Michigan.
- 11. The Radiation Safety Officer for this license is Jeffrey T. Colvin, M.S.
- 12. 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 individual is an authorized user for medical use as indicated:

<u>Authorized User</u>	<u>Material and Use</u>
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CERTIFIED MAIL™

BARBARA ANN
KARMANOS
CANCER INSTITUTE

*Detroit Medical Center
Wayne State University*

*In Partnership With
The Detroit Medical Center
Wayne State University
Michigan Cancer Foundation*

*Gershenson Radiation Oncology Center
3990 John R
Detroit, MI 48201*



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