

**MATERIALS LICENSE**

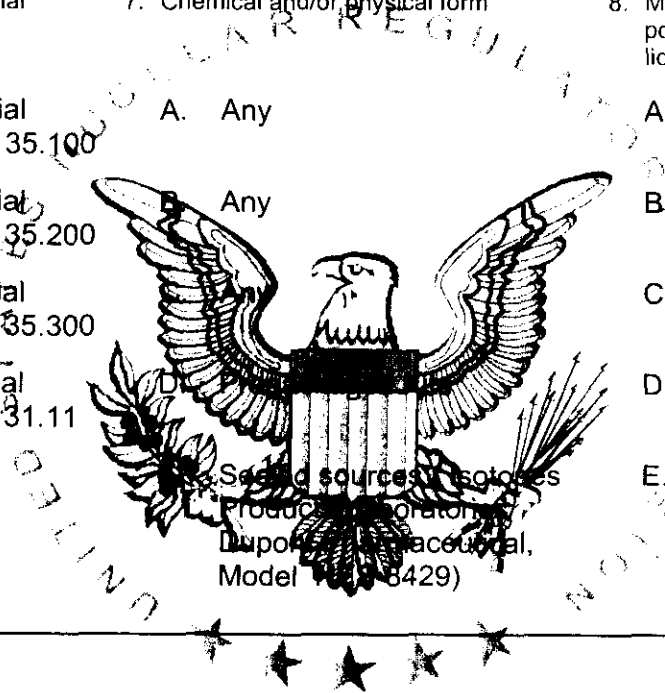
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, 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.

OC 02/20

315394

<p>Licensee</p> <p>1. Research Medical Center, Brookside Campus</p> <p>2. 6601 Rockhill Road Kansas City, MO 64131</p>	<p>In accordance with letter dated <b>April 20, 2006</b>,</p> <p>3. License number 24-06806-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date <b>March 31, 2014</b></p> <p>5. Docket No. 030-02343 Reference No.</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 31.11</p> <p>E. Gadolinium-153</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Special sources, isotopes, products, generators, dupons, pharmaceutical, Model 44-8429)</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. As needed (not to exceed 1 curie of I-131)</p> <p>D. 5 millicuries</p> <p>E. 4 sources not to exceed 450 millicuries each.</p>
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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 study or therapy procedure permitted by 10 CFR 35.300.
  - D. In vitro studies.
  - E. Two sources for use in Elgems Ltd. Model MG ATC Rod Unit P/N ASM 000415 attenuation correction system. Two sources in a shipping container for source replacement.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
24-06806-01

Docket or Reference Number  
030-02343

Amendment No. 76

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 6601 Rockhill Road, Kansas City, Missouri.
11. Radiation Safety Officer: Ramesh Avva, M.D.
12. **Licensed material is only authorized for use by, or under the supervision of:**
- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:
- Ramesh Avva, M.D. 10 CFR 35.100, 35.200, 35.300 and Gadolinium-153 in an attenuation correction system for human radiography.
- Michael S. Sokol, M.D. 10 CFR 35.300.
- William Chase, M.D. 10 CFR 35.100, 35.200, 35.300 and Gadolinium-153 in an attenuation correction system for human radiography.
- Anthony L. Wheeler, M.D. 10 CFR 35.100, 35.200, 35.300, 31.11 and Gadolinium-153 in an attenuation correction system for human radiography.
- Scott Rossow, M.D. 10 CFR 35.100, 35.200, 35.300, 31.11 and Gadolinium-153 in an attenuation correction system for human radiography.
- Timothy Blackburn, M.D. 10 CFR 35.200 (limited to cardiovascular clinical procedures) and Gadolinium-153 in an attenuation correction system for human radiography.
- James E. Sear, M.D. 10 CFR 35.200 (limited to cardiovascular clinical procedures) and Gadolinium-153 in an attenuation correction system for human radiography.
- Paul Becker, M.D. 10 CFR 35.200 (limited to cardiovascular clinical procedures) and Gadolinium-153 in an attenuation correction system for human radiography.
- Kenneth Mann, D.O. 10 CFR 35.100, 35.200, 35.300 and Gadolinium-153 in an attenuation correction system for human radiography.

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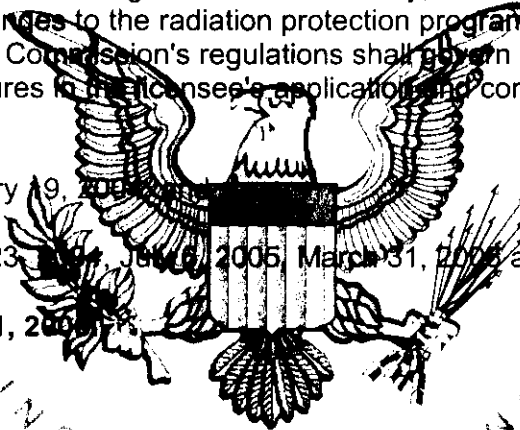
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David J. Ingle, M.D.

10 CFR 35.100, 35.200, 35.300 and Gadolinium-153 in an attenuation correction system for human radiography.

13. 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.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.
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 19, 2005
- B. Letters dated February 23, 2005; June 1, 2005; March 31, 2005; and April 20, 2006; and
- C. Facsimile dated May 11, 2006



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 18 2006

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