

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Research Medical Center Midwest Gamma Knife Center 2316 E Meyer Blvd. Kansas City, MO 64132 REPORT NUMBER(S) 202101	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S) 030-33507	4. LICENSE NUMBER(S) 24-17998-02	5. DATE(S) OF INSPECTION July 8, 2021
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LICENSEE:
 The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Luis Nieves Folch	Luis A. Nieves Folch	Digitally signed by Luis A. Nieves Folch Date: 2021.07.22 13:14:04 -05'00'
BRANCH CHIEF	Michael Kunowski	Geoffrey M. Warren	Digitally signed by Geoffrey M. Warren Date: 2021.07.23 07:35:09 -05'00'



Materials Inspection Record

1. Licensee Name: Research Medical Center		2. Docket Number(s): 030-33507		3. License Number(s) 24-17998-02	
4. Report Number(s): 2021001			5. Date(s) of Inspection: July 8, 2021		
6. Inspector(s): Luis Nieves		7. Program Code(s): 02240	8. Priority: 2	9. Inspection Guidance Used: 87133	
10. Licensee Contact Name(s): Robert Gilliam, M.S., RSO		11. Licensee E-mail Address: Robert.Gilliam@hcamidwest.com		12. Licensee Telephone Number(s): 816-276-4526	
13. Inspection Type: <input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): <div style="text-align: center; font-size: 1.2em;">July 8, 2023</div> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was an announced, routine inspection of a Gamma Knife Center located in Kansas City, Missouri, with authorization to use byproduct materials under 10 CFR Section 35.1000 (cobalt-60 sealed sources within a Elekta Gamma Knife Icon gamma stereotactic radiosurgery (GSR) unit). The licensee performed approximately 75 GSR unit treatments annually. The licensee was staffed with two authorized medical physicists (AMPs), two oncologists, two dosimetrists, and four therapists.

Performance Observations:

The inspection consisted of interviews with selected licensee personnel; a review of selected records; and a tour of the Gamma Knife department. The inspector had the AMP demonstrate the GSR unit's: (1) security; (2) daily spot checks; (3) full calibration measurements; (4) emergency equipment and procedures; (5) safety procedures and instructions; (6) door interlock system; and (7) radiation monitoring equipment checks. The inspector observed a gamma knife brain procedure. The inspector interviewed licensee personnel, and performed independent radiation measurements. The inspector reviewed selected written directives, annual training, monthly QC, emergency procedure, leak test, survey meter calibration, personnel dosimetry, treatment plans for the various GSR unit procedures.

No violations of NRC requirements were identified as a result of this inspection.

From: [Nieves Folch, Luis](#)
To: ["Robert.Gilliam@hcamidwest.com"](mailto:Robert.Gilliam@hcamidwest.com)
Subject: FW: Reaserch Medical Center
Date: Monday, July 26, 2021 10:43:00 AM
Attachments: [Research Medical Center 591M -gw.pdf](#)

Dear Mr. Gilliam

Attach is the clear 591 report for the inspection conducted on July 8, 2021. At this point there is no further actions on your part.

In accordance with Title 10 of the Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this message will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Please feel free to contact me if you have any questions regarding this correspondence.

Thank you,

Luis Nieves
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Division of Nuclear Materials Safety
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