

**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, 37, 39, 40, 70 and 71, 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.

<b>Licensee</b>  1. Alliance HealthCare Services, Inc.  2. 330 Harper Park Drive, Suite C Beckley, WV 25801	In accordance with letter dated June 11, 2019.	4. Expiration Date: September 30, 2021
	3. License number: 47-25570-01 is amended in its entirety to read as follows:	5. Docket No.: 030-35774 Reference No.:

6. Byproduct, source, and/or special nuclear material  A. Any byproduct material permitted by 10 CFR 35.200	7. Chemical and/or physical form  A. Any	8. Maximum amount that licensee may possess at any one time under this license  A. As Needed	9. Authorized use  A. For use in imaging and localization studies permitted by 10 CFR 35.200.
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**CONDITIONS**

10. Licensed material, limited to strontium/rubidium waste incident to mobile nuclear medicine activities, may be stored at the licensee's facilities located at 525 S. Gould Street, Owasso, Michigan, and licensed material incident to mobile nuclear medicine activities may be used or stored at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

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## 11. Licensed material shall only be used by, or under the supervision of:

A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 10 CFR 35.14.

B. The following individuals are authorized users for the material and medical uses as indicated:

Authorized User(M.D.,D.O.,etc.)Material and Use

David Abramowitz, M.D.

10 CFR 35.200

Irfan Ahmad, M.D.

10 CFR 35.200

Afzal Ahmed, M.D.

10 CFR 35.200

Mark J. Akers, M.D.

10 CFR 35.200

Paul D. Akers, M.D.

10 CFR 35.200

Paul J. Alfieri, M.D.

10 CFR 35.200

Syed I. Ali, M.D.

10 CFR 35.200

Marsha Anderson, M.D.

10 CFR 35.200

Ibad U. Ansari, M.D.

10 CFR 35.200

James Baek, M.D.

10 CFR 35.200

Indraneel Banerji, M.D.

10 CFR 35.200

Marc R. Beck, M.D.

10 CFR 35.200

Martin Black, M.D.

10 CFR 35.200

Richard R. Black, D.O.

10 CFR 35.200

Rodger Blake, M.D.

10 CFR 35.200

Paul H. Blom, M.D.

10 CFR 35.200

Robert L. Bridges, M.D.

10 CFR 35.200

James M. Browne, M.D.

10 CFR 35.200

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Authorized User(M.D.,D.O.,etc.)Material and Use

Douglas A. Bruns, D.O.

10 CFR 35.200

James Paul Carl, M.D.

10 CFR 35.200

Christopher Carrel, M.D.

10 CFR 35.200

Peter Chirico, M.D.

10 CFR 35.200

Jesse A. Cole, M.D.

10 CFR 35.200

Ricky J. Compton, M.D.

10 CFR 35.200

John Phillip Cox, D.O.

10 CFR 35.200

Robert J. Cure, M.D.

10 CFR 35.200

Michael T. Czuba, M.D.

10 CFR 35.200

Ryan Daily, M.D.

10 CFR 35.200

Corinne Daurdulian, M.D.

10 CFR 35.200

Edward Dentsman, M.D.

10 CFR 35.200

Vu Quoc Do, M.D.

10 CFR 35.200

Hans G. Dransfeld, M.D.

10 CFR 35.200

Joseph Dransfeld, M.D.

10 CFR 35.200

Nathaniel D. Dueker, M.D.

10 CFR 35.200

Adwoa Essel, M.D.

10 CFR 35.200

Joshua Dale Gibson, M.D.

10 CFR 35.200

Lee Corey Haikal, M.D.

10 CFR 35.200

Nathan R. Hatfield, M.D.

10 CFR 35.200

Mark R. Heitzman, M.D.

10 CFR 35.200

Prasanta K. Karak, M.D.

10 CFR 35.200

Kastytis C. Karvelis, M.D.

10 CFR 35.200

Stephen Joowhan Kim, M.D.

10 CFR 35.200

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Philip Kohanski, M.D.	10 CFR 35.200
Michael V. Korona, Jr., M.D.	10 CFR 35.200
Gary W. Kravetz, M.D.	10 CFR 35.200
Adam Thomas Krompecher, M.D.	10 CFR 35.200
Benjamin Lange, M.D.	10 CFR 35.200
Christopher J. Leary, M.D.	10 CFR 35.200
Eric Lawrence Leonard, M.D.	10 CFR 35.200
Donald Lewis, M.D.	10 CFR 35.200
Edward J. Maas, M.D.	10 CFR 35.200
Colleen M. Madden, M.D.	10 CFR 35.200
Jane MaLoof, M.D.	10 CFR 35.200
Jack D. Markiewicz, M.D.	10 CFR 35.200
Matthew E. Maxwell, M.D.	10 CFR 35.200
Timothy J. McCue, M.D.	10 CFR 35.200
Chris W. McGary, M.D.	10 CFR 35.200
Russell Meyer, M.D.	10 CFR 35.200
Khalid A. Mian, M.D.	10 CFR 35.200
Thomas E. Miller, M.D.	10 CFR 35.200
Steve Min, D.O.	10 CFR 35.200
Daniel R. Mitchell, M.D.	10 CFR 35.200
Virginia Molleran, M.D.	10 CFR 35.200
Craig Moore, M.D.	10 CFR 35.200
Jaochim Mueller, M.D.	10 CFR 35.200
AppaRao Mukkamala, M.D.	10 CFR 35.200

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Joshua A. Nepute, M.D.

10 CFR 35.200

Dana Olson, M.D.

10 CFR 35.200

Marlo M. Pagano, M.D.

10 CFR 35.200

Charles Nicholas Pappas, M.D.

10 CFR 35.200

Samir Parikh, M.D.

10 CFR 35.200

Bharat Patel, M.D.

10 CFR 35.200

Joseph Pekala, M.D.

10 CFR 35.200

Mark Peterson, M.D.

10 CFR 35.200

Grant D. Petty, M.D.

10 CFR 35.200

Krishna R. Pillai, M.D.

10 CFR 35.200

James Milton Reynolds, M.D.

10 CFR 35.200

Sean Reynolds, M.D.

10 CFR 35.200

Michael E. Robertello, M.D.

10 CFR 35.200

Ruben Rock, M.D.

10 CFR 35.200

Daniel Adam Rodgers, M.D.

10 CFR 35.200

Colin Rose, M.D.

10 CFR 35.200

Heather Rose, M.D.

10 CFR 35.200

Ronald J. Rosenberg, M.D.

10 CFR 35.200

Robert M. Salman, M.D.

10 CFR 35.200

Paul Sanchirico, M.D.

10 CFR 35.200

Gerling Sauter, M.D.

10 CFR 35.200

Charles Seigler, M.D.

10 CFR 35.200

Marc A. Seltzer, M.D.

10 CFR 35.200

Mark Shaman, M.D.

10 CFR 35.200

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Stanley M. Shapiro, M.D.

10 CFR 35.200

Paul W. Sheets, M.D.

10 CFR 35.200

Paul D. Shreve, M.D.

10 CFR 35.200

Ralph E. Shrider, M.D.

10 CFR 35.200

Alan Siegel, M.D.

10 CFR 35.200

Justin Sims, M.D.

10 CFR 35.200

Roshan Sivagnanam, M.D.

10 CFR 35.200

LeAnn Stidham, M.D.

10 CFR 35.200

Victoria A. Swegles, D.O.

10 CFR 35.200

Sanjay J. Talati, M.D.

10 CFR 35.200

Smari Thordarson, M.D.

10 CFR 35.200

Walter Parke Thrush, M.D.

10 CFR 35.200

Boguslaw Uchman, M.D.

10 CFR 35.200

Matthew Waack, M.D.

10 CFR 35.200

Torin P. Walters, M.D.

10 CFR 35.200

James K. Watson, M.D.

10 CFR 35.200

Jonathan W. Weiss, M.D.

10 CFR 35.200

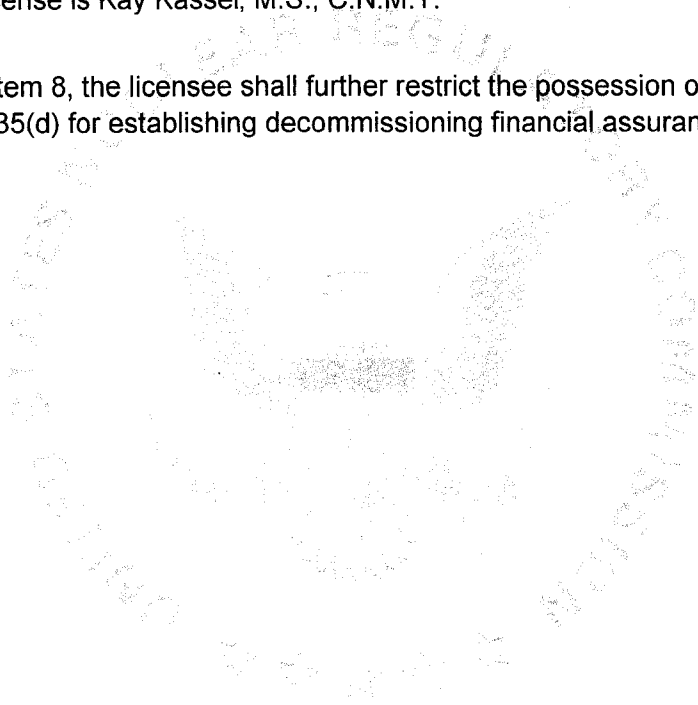
Ehab Hassan A. Youssef, MBBCH,  
M.D.

10 CFR 35.200

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12. The Radiation Safety Officer for this license is Kay Kassel, M.S., C.N.M.T.
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.
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14. 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 April 5, 2011 [ML110970462]
- B. Letter dated August 31, 2011 [ML112440261]
- C. Letter dated June 19, 2015 [ML15195A190]
- D. Letter dated October 13, 2015 [ML15292A554]
- E. Letter dated January 4, 2016 [ML16022A219]
- F. Letter dated January 12, 2016 [ML16022A229]
- G. Letter dated August 23, 2018 w/attachments [ML18242A382]
- H. Letter dated August 31, 2018 (delegation of authority) [ML18262A147]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: August 14, 2019By: Penny Lanzisera  
Region 1