ARIZONA RADIATION REGULATORY AGENCY

NOTICE OF REGISTRATION CERTIFICATE FOR
PARTICLE ACCELERATOR

RADIOACTIVE MATERIAL LICENSE

Pursuant to Chapter 4, Title 30, Arizona Revised Statutes, and Title 12, Chapter 1 of the Arizona Administrative Code, and in reliance on statements and representations made to the Agency by the registrant/licensee, a registration/license is hereby issued authorizing the reception, possession, and use of the particle accelerator listed in this registration/license at the places specified. This registration/license is subject to all applicable rules and Agency orders now or hereafter in effect and to the conditions specified. In accordance with letter dated January 12, 2016, signed by Daniel Silvain, M.S., Registration-License Number PA-018 is hereby amended in its entirety to read as follows: ALL CHANGES ARE IN BOLD

REGISTRANT

1. NAME: Medical Center Corporation d/b/a (University Medical Center and Board of Regents) (d/b/a University of Arizona)  
2. ADDRESS: a. Use Address: 1501 N. Campbell Tucson, Arizona 85724  
   b. Mailing Address: P.O. Box 245101 Tucson, Arizona 85724

3. a. REGISTRATION/LICENSE NO.: PA-018  
   b. AMENDMENT NO.: 16

4. EXPIRATION DATE: December 31, 2019

5. TYPE OF MACHINE: Medical Therapy

6. MANUFACTURER:  
   A. Elekta  
   B. Varian  
   C. Tomotherapy Hi-Art  
   D. Varian

7. MODEL NO.:  
   A. Precise  
   B. 600N  
   C. 2-690-10003  
   D. Clinac 6EX

8. SERIAL NO.:  
   A. No. 105563  
   B. No. 180772  
   C. No. 0210180  
   D. No. 181164

9. Authorized Use:  
   A. For use in Elekta Precise particle accelerator, for the therapeutic treatment of human disease.  
   B. For use in Varian 600N (Novalis) particle accelerator, for the therapeutic treatment of human disease.  
   C. For use in Tomotherapy Hi-Art 2-690-10003 particle accelerator, for the therapeutic treatment of human disease.  
   D. For use in Varian Clinac6EX particle accelerator, for the therapeutic treatment of human disease.

POST IN ACCORDANCE WITH R12-1-1002
10. The registrant/licensee shall notify the Agency within thirty days of any change which renders the information contained in this registration/license inaccurate. A change in the ownership or possession of the source shall terminate this registration/license.

11. No person, in any advertisement, shall refer to the fact that a source of radiation is registered with the Agency and no person shall state or imply that any activity under this registration/license has been approved by this Agency.

12. A. The particle accelerators listed under sub items A through D of items 6, 7 and 8 shall be used by, or under the supervision of, individuals designated by the University of Arizona Medical Radiation Safety Committee.

B. The Qualified Experts for the particle accelerators listed in sub items A through D shall be individuals that have been approved by the University of Arizona Medical Radiation Safety Committee.

C. The Radiation Safety Officer for the particle accelerator(s) is: Daniel Silvain, M.S.

13. The registrant/licensee shall establish procedures to ensure that the therapy dose is correct, and as prescribed by the therapy physician. The registrant/licensee shall establish procedures that specify; the time-frame in which the check shall occur, based on the specific therapy plan; the protocol used to make the check, and designate which staff member will perform the check.

14. The registrant/licensee shall ensure that an interlock system is in place and used to prevent irradiation with X-rays in accordance with R12-1-905(A) (6) (c), except to obtain an image, when electron applicators are fitted.

15. The registrant/licensee shall establish a quality management program to provide high confidence that radiation is administered as directed by the prescribing physician.

16. Each registrant/licensee shall use the services of a third party qualified expert or third party TLD system to verify the accelerators radiation output every 2 years.

17. The registrant/licensee shall notify the Agency of removal from service any machine listed on this registration/license within 15 days of its removal. The information provided shall include name and address of the person receiving the machine.

18. The registrant/licensee shall comply with the provisions of Title 12, Chapter 1, Arizona Administrative Code; Article 3, “Radioactive Material Licensing”; Article 4, “Standards for Protection Against Ionizing Radiation”; and Article 9 and Article 10, “Notices, Instructions, and Reports to Ionizing Radiation Workers; Inspections”.

19. Each registrant/licensee shall use the services of a third party qualified expert or third party TLD system to verify the accelerator’s radiation output every 2 years.

POST IN ACCORDANCE WITH R12-1-1002
20. The registrant/licensee shall notify the Agency of removal from service any machine listed on this registration/license within 15 days of its removal. The information provided shall include name and address of the person receiving the machine.

21. This registration/license authorizes the possession of radioactive material in the form of activated equipment which was created as a result of the operations of this particle accelerator but not for any other use or purpose. This activated equipment cannot exceed the limits specified in R12-1-323.

22. Relocation, maintenance, and repair of accelerators (specifically parts containing activation products) shall be performed only by persons specifically authorized by the Arizona Radiation Regulatory Agency.

23. For purposes of ending the principal activities authorized under this registration/license:
   A. The registration/license stays in effect beyond the registration/license expiration date. Beyond the expiration date the registrant/licensee shall store radioactive material only, until the Agency authorizes its use by registration/license amendment, or the Agency notifies the registrant/licensee in writing that the registration/license is terminated.
   B. The registrant/licensee shall ensure the timeliness of decommissioning of facilities where principal activities are conducted under this registration/license in accordance with Agency requirements.
   C. The registrant/licensee shall continue to control public access into restricted areas and pay the annual licensing fee until the registration/license is terminated.

24. Except as specifically provided by the registration/license, the registrant/licensee shall possess and use the particle accelerator(s) described in this registration/license in accordance with statements and representations contained in:
   1. Application dated November 19, 2014, signed by Daniel Silvain, M.S.

The most recent statements, representations, and procedures shall govern if they conflict with previously submitted documents, unless otherwise specified by a registration/license condition; and the Agency's rules shall govern the registrant/licensee's statements in applications or letters.

ISSUE DATE: FEB - 9 2016

AUBREY V. GODWIN, DIRECTOR

POST IN ACCORDANCE WITH R12-1-1002