



October 1, 2019

Nuclear Materials Licensing Branch  
U.S Nuclear Regulatory Commission, Region IV  
612 Lamar Boulevard, Suite 400  
Arlington, TX 76011-4125

Subject: License: 25-15463-01

Dear Carol Hill:

Kalispell Regional Medical Center is the holder of the above-referenced license. We would like to request an amendment to the existing license:

**Amendment Request – Add new Authorized User**

**Cloe Shelton, MD 35.100  
35.200  
35.300  
35.1000 RSL only I-125 temporary implant use**

Supportive documentation from the State of Oregon, Oregon Health Authority, Public Health Division attached.

Thank you for your attention in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andre Vanterpool', written over a horizontal line.

Andre Vanterpool, RSO, RT (N) (R)  
Radiation Safety Officer  
Nuclear Medicine Departments Manager  
(406) 752-1770 cell (406) 212-6642  
Kalispell Regional Medical Center

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September 25, 2019

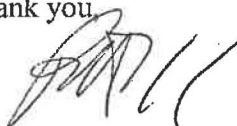
To whom it may concern:

This letter should serve as documentation of supervised clinical case experience for Cloe Shelton, MD, performing radioactive seed localization (RSL) of non-palpable breast lesions with I-125 seeds. Dr. Shelton is a board certified radiologist and an authorized user as listed on the State of Oregon registry. She has the intention of becoming an authorized user on Kalispell Regional Medical Center's license #25-15463-01. I observed Dr. Shelton perform four seed implants in two separate patients. I witnessed patients B.B. (two seeds) and patient J. R. (2 seeds) on 9/23/2019 and 9/25/2019, respectively. I instructed Dr. Shelton in the proper techniques for safe handling of the seeds, appropriate preparation, as well as seed deployment. We reviewed radiation safety relative to the use of I-125 seeds for localization including but not limited to:

- Performing the related surveys using appropriate instrumentation;
- Preparing, implanting, and safely removing RSL sources safely, to include the use of remote handling tools to manipulate seeds and the proper use of shields;
- Performing routine monitoring before, during and after all uses of the seeds to ensure rapid identification and remediation of a leaking or broken source;
- Emergency procedures, such as regarding broken or leaking seeds;
- Reviewing and understanding the administrative controls in place to prevent medical event;
- Maintaining running inventories of radioactive material on hand.

Dr. Shelton has gained the competency to perform the procedures independently.

Thank you



Patrick McDonnell, MD  
Northwest Imaging, PC  
320 Sunnyview Lane  
Kalispell, MT 59901

PUBLIC HEALTH DIVISION  
Center for Health Protection, Radiation Protection Services

Kate Brown, Governor



800 NE Oregon Street, Suite 640  
Portland, OR 97232  
Voice 971-673-0490  
FAX 971-673-0553

October 23, 2018

Cascade Medical Imaging, LLC  
Michael Timmerman, M.S., SRSO  
1460 NE Medical Center Drive  
Bend, OR 97701

Reference: License Number **ORE- 90243**  
Amendment Number **83**  
Docket Number **18-0523**

Dear Mr. Timmerman:

The enclosed amendment reflects changes to your radioactive materials License, as requested per email correspondence dated September 7, 2018. The license conditions have been updated. These changes have been made in boldface.

Please review the enclosed documents carefully, and be sure that you understand all conditions. Should you have questions, or would like information in an alternate format, please do not hesitate to contact the Licensing Reviewer, Erin DeSempole email: [erin.desempole@state.or.us](mailto:erin.desempole@state.or.us), phone: 971-673-0510. Thank you for your continued cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd Carpenter".

Todd Carpenter  
Radioactive Materials Licensing Program Manager  
Radiation Protection Services  
[todd.s.carpenter@state.or.us](mailto:todd.s.carpenter@state.or.us)

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STATE OF OREGON  
OREGON HEALTH AUTHORITY  
PUBLIC HEALTH DIVISION

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License No. ORE-90243  
Amendment Number 83

**RADIOACTIVE MATERIALS LICENSE**

Pursuant to Section 274 of the Atomic Energy Act of 1954 as amended, Oregon Administrative Rules for the Control of Radiation and in reliance on statements and representations made by the Licensee referred to below. This license is hereby issued authorizing the Licensee to transfer, receive, possess and use radioactive material(s) designated below. This license is subject to all applicable rules, regulations, and orders now in effect by the OHA PUBLIC HEALTH DIVISION and all conditions specified below.

In accordance with email correspondence dated September 7, 2018, Oregon Radioactive Materials License Number ORE-90243 is amended to read as follows:

<b>1. Name</b> Cascade Medical Imaging, LLC	<b>3. License Number</b> ORE-90243
<b>2. Address</b> 1460 NE Medical Center Drive Bend, Oregon 97701	<b>4. Expiration Date</b> May 31, 2019
	<b>5. License Type</b> Medical

6. Radioactive materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity license may possess at any one time
A. Radioactive material permitted by OAR 333-116-0300	A. Any	A. As needed.
B. Radioactive material permitted by OAR 333-116-0320	B. Any	B. As needed.
C. Radioactive material permitted by OAR 333-116-0360	C. Any	C. 600 millicuries.
D. Yttrium-90	D. Yttrium-90 impregnated resin microspheres (Sirtex Model SIR-Sphere)	D. 3 curies.
E. Depleted Uranium	E. Metal	E. 999 kilograms.

9. Authorized use.

- A. Uptake, dilution, or excretion studies permitted by OAR 333-116-0300.
- B. Imaging or localization studies permitted by OAR 333-116-0320.
- C. Radiopharmaceuticals for therapy permitted by OAR 333-116-0360.
- D. Permanent manual brachytherapy using Sirtex Model SIR-Sphere yttrium-90 microspheres and delivery system permitted by OAR 333-116-0485.
- E. Shielding for molybdenum-99/technetium-99m generators.

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PUBLIC HEALTH DIVISION

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License No. ORE-90243  
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**RADIOACTIVE MATERIALS LICENSE**

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**CONDITIONS**

10. Licensed radioactive material shall be used or stored only at 2500 NE Neff Road, Bend, Oregon 97701-6015.
11. This license is subject to and void without an annual validation certificate. Insofar as the licensee has submitted the proper fee prior to the expiration of a validation certificate, such existing validation certificate shall not expire until the issuance of a new validation certificate for the then current fiscal year.
12. The Radiation Safety Officer for the activities authorized by this license is Michael Timmerman, M.S.
13. Licensed radioactive material listed in Item 6 above is authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

<u>NAME</u>	<u>USE</u>
James C. Laughlin, M.D.	Subitem B (limited to nuclear cardiology studies)
Patrick B. Brown, M.D.	Subitems A and B
Traci Clautice-Engle, M.D.	Subitems A and B
Steven D. Kjobech, M.D.	Subitems A and B
Thomas F. Koehler, M.D.	Subitems A and B
Stephen M. Shultz, M.D.	Subitems A and B
Robert E. Hogan, M.D.	Subitems A and B
John M. Stassen, M.D.	Subitems A and B
Paula K. Shultz, M.D.	Subitems A and B
Travis A. Abele, M.D.	Subitems A and B
Karen N. Lynn, M.D.	Subitems A and B
Brant Wommack, M.D.	Subitems A and B
Nicholas Branting, M.D.	Subitems A and B
Stephen J. Michel, M.D.	Subitems A, B and oral administration of sodium iodide I-131 in quantities less than and greater than 33 millicuries
Matthew R. Bentz, M.D.	Subitems A, B and oral administration of sodium iodide I-131 in quantities less than and greater than 33 millicuries
Jeffrey Drutman, M.D.	Subitems A, B and C
Laurie Martin, M.D.	Subitems A, B and C
William H. Wheir, III, M.D.	Subitems A, B and C
Cloe F. Shelton, M.D.	Subitems A, B and C
Garrett P. Schroeder, M.D.	Subitems A, B, C and D



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OREGON HEALTH AUTHORITY  
PUBLIC HEALTH DIVISION

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**RADIOACTIVE MATERIALS LICENSE**

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**CONDITIONS (cont.)**

14. The licensee is authorized to receive, possess and use as reference and calibration sources:
  - A. Sealed sources not exceeding 30 mCi each;
  - B. Any radioactive material with a half-life of 100 days or less in individual amounts not to exceed 30 mCi, except Y-90 sources not to exceed 75 mCi;
  - C. Any radioactive material with a half-life greater than 100 days in individual amounts not to exceed 200 µCi each; and
  - D. Technetium-99m in amounts as needed.
15. The licensee is exempt from the bioassay requirement in OAR 333-116-0380 for I-131 therapeutic doses administered in capsule form.
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, except for minor changes in medical use radiation safety procedures as provided in OAR 333-116-0370. The Oregon Rules for the Control of Radiation shall govern, unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules.
  - A. Renewal application dated April 29, 2014, signed by Donna Cook, Cascade Medical Imaging CEO.
  - B. Email correspondence dated May 13, 2014, from Sean Murphy, B.S., CNMT, R.T. (N), RSO.
  - C. Email correspondence dated July 9, 2014 and July 10, 2014, from Sean Murphy, B.S, CNMT, R.T. (N), RSO
  - D. Letter dated December 5, 2014, signed by Sean Murphy, RSO.
  - E. Letter dated January 14, 2015, signed by Sean Murphy, RSO.
  - F. Letter dated April 30, 2015, signed by Sean Murphy, CNMT, RT(N), Radiation Safety Officer.
  - G. Email correspondence dated June 6, 2016 and July 7, 2016, from Sean Murphy, CNMT, RT(N), Radiation Safety Officer.
  - H. Email correspondence dated March 20, 2017, March 23, 2017, March 29, 2017, April 10, 2017, and April 24, 2017, from Sean Murphy, CNMT, R.T.(N), RSO.

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PUBLIC HEALTH DIVISION

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**RADIOACTIVE MATERIALS LICENSE**

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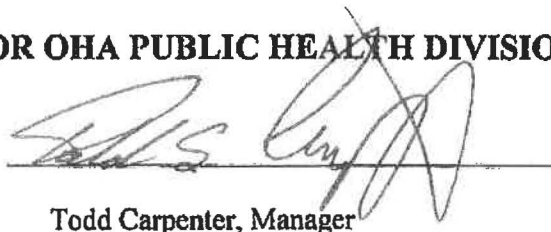
CONDITIONS (cont.)

- (16.) I. Email correspondence dated December 6, 2017, from Sean Murphy, CNMT, RT(N), RSO.
- J. Email correspondence dated December 19, 2017, from Michael Timmerman, M.S., Medical and Health Physicist, Radiation Safety Officer.
- K. Letter dated April 2, 2018, signed by Michael Timmerman, M.S., Medical and Health Physicist, sent by email correspondence dated April 2, 2018, from Michael Timmerman, M.S.
- L. Letter dated September 6, 2018, signed by Michael Timmerman, M.S., DABR, Medical and Health Physicist, Radiation Safety Officer, sent by email correspondence dated September 7, 2018, from Michael Timmerman, M.S., DABR, Medical and Health Physicist, Radiation Safety Officer.

Date: October 23, 2018

**FOR OHA PUBLIC HEALTH DIVISION**

By



Todd Carpenter, Manager  
Radioactive Materials Licensing Program



## ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

## Name and Address of Applicant and/or Licensee

Andre R. Vanterpool, RT (N)(R)  
Radiation Safety Officer  
Kalispell Regional Medical Center  
Radiology Department  
310 Sunnyview Lane  
Kalispell, MT 59901

## Date

10/17/2019

## License Number(s)

25-15463-01

## Mail Control Number(s)

616217

## Licensing and/or Technical Reviewer or Branch

C. Hill

This is to acknowledge receipt of your: ☒ Letter and/or ☐ Application Dated: 10/01/2019

The initial processing, which included an administrative review, has been performed.

☒ Amendment ☐ Termination ☐ New License ☐ Renewal

☐ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Follow the instructions on the form for submission.

☐ The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV  
U. S. Nuclear Regulatory Commission  
DNMS/NMSB - B  
1600 E. Lamar Boulevard  
Arlington, TX 76011-4511  
(817) 200-1103 or (817) 200-1140

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