

Healing From The Heart

The Memorial Hospital
OF SALEM COUNTY

Br. 1

September 5, 2008

U.S. Nuclear Regulatory Commission
Materials Licensing Branch
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: License No: 29-07758-01 03002504

Dear Sir or Madam,

Please be informed we would like to amend our existing Radioactive Materials License to reflect the following change:

Please remove Dr. Steven DiBiase as Authorized User.
Please add Dr. Stephen Arrigo as Authorized User.

I am including documentation, provided by Dr. Arrigo, pertaining to his Brachytherapy Education/Training, his experience, as well as a copy an NRC license he is currently an authorized user on. Please feel free to contact Jerry St. Clair, Imaging Director, at (856)339-6054 for any additional items you may require. We have patients currently scheduled for procedures we would like to perform upon approval of this amendment.

Sincerely,

James Angic
Assistant CEO
Memorial Hospital of Salem County



CROZER
• • • •
CROZER-CHESTER
MEDICAL-CENTER

September 04, 2008

One Medical Center Boulevard
Upland, PA 19013-3995

Division of Radiation Oncology

Tel 610.447.2740

Mr. Jerry St. Clair, Administrative Director
Department of Radiology-Memorial Hospital of Salem County
310 Woodstown Road
Salem, New Jersey 08079

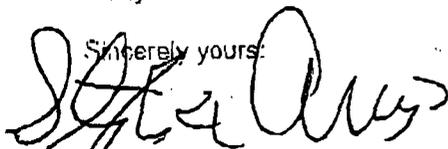
William D. Powlis, M.D.
Director

Re:

Dear Jerry:

In response to your inquiry concerning documentation for licensing, I will submit the following: A copy of the NRC license with my name and capabilities listed, documents from courses concerning prostate brachytherapy beginning in 1998, and a description of the number of prostate brachytherapy cases since January 2001 performed by me. As of September 2008, I have performed over 300 prostate brachytherapy cases here at Crozer-Chester Medical Center, Upland, Pennsylvania. This number is a combination of low dose rate permanent prostate seed implants and high dose rate temporary prostate seed implants.

If any further information is needed, please do not hesitate to contact me.

Sincerely yours:

Stephen Arrigo, MD

SA/MEDQ
#956

cc: Tumor Registry

Anthony Pasquale *Diener*

800-525-8773

772-814-9398

*Free Thursday before Conference
Call*

BrachyTherapy:

*Intraprostatic Seeds Using Iodine-125/Palladium-103
for Adenocarcinoma of the Prostate*

January 29 & 30, 1998

Presented by

Steven H. Paletsky, M.D.

and

Michael J. Katin, M.D.

*for treatment
of prostate cancer*

Options:

1) rectal

2) boost before/after

3) 120 Gy - Palladium

*Stephan
Arriso MD*

BrachyTherapy: A Practical Course

*Sponsored by
Florida Medical Association, Columbia Regional Medical Center*

Accreditation

As an organization accredited to provide continuing medical education by the Accreditation Council for Continuing Medical Education (ACCME), Florida Medical Association, Columbia Regional Medical Center, certifies this continuing medical education offering meets the criteria for 12.5 credit hours in Category 1 of AMA Category 1 credits, provided it is used and completed as designed.

This program is also accredited for 11 hours of continuing education for radiology technologists and therapists.

Course Description

This one day course is designed for practicing urologists, radiation oncologists and radiation physicists who are interested in prostate seed implantation as a treatment for prostate cancer. The technique involves percutaneous transperineal Implantation using Iodine-125/Palladium-103 under ultrasound guidance. New techniques in intraoperative Planometrics and Digitization studies. There will be practical lectures and three ninety minute live case demonstrations via video relay for the operating room. Participants are encouraged to attend as a team consisting of a urologist, radiation oncologist and radiation physicist: however, this is not essential.

Faculty

Moderator

Steven H. Paletsky, M.D.
Urologist
Consultants in Urology
Fort Myers, Florida

John Blasko, M.D.
Director
University of Washington
School of Medicine
Seattle, Washington

Michael J. Katin, M.D.
Clinical Associate Professor
Department of Radiation
University of Miami
Radiation Therapy Associates
Fort Myers, Florida

Gordon Grado, M.D.
Radiation Oncologist
Department of Radiation Oncology
Mayo Clinic Scottsdale
Scottsdale, Arizona

Daniel H. Galmarini, M.S.
Physicist
Radiation Therapy Associates
Fort Myers, Florida

Mark D. Leete, M.S.
Physicist
Radiation Therapy Associates
Fort Myers, Florida

Horacio F. Giraut, M.S.
Physicist
Radiation Therapy Associates
Fort Myers, Florida



April 12, 2002

Ref: Stephen A. Arrigo, M.D.
 Crozer Chester Medical Center
 One Medical Center Boulevard
 Upland, PA 19013

Dear Sir or Madam:

This is to certify that Stephen A. Arrigo, M.D. actively participated in the "Fifth Annual Advanced Prostate Brachytherapy Conference", held in Seattle, WA at the Bell Harbor International Conference Center April 12-13, 2002.

Sincerely,

Seattle Prostate Institute
 Education Department

RADIATION ONCOLOGY

JOHN E. SYLVESTER, M.D.
DIRECTOR OF EDUCATION

JOHN C. BLASKO, M.D.
DIRECTOR OF RESEARCH

PETER GRIMM, D.O.
EXECUTIVE DIRECTOR

TIMOTHY P. MATE, M.D.
HDR SERVICES

STEPHEN M. EULAU, M.D.
HDR SERVICES

KENT WALLNER, M.D.

UROLOGY

JAMES DOWNEY, M.D.
DOUGLAS GRIER, M.D.
TIMOTHY RODDY, M.D.
THOMAS GREEN, M.D.

PHYSICS

MARK PHILLIPS, PH.D.

DOSIMETRY

MICHAEL SITTER, R.T.T.

EDUCATION COORDINATOR

MAUREEN "MO" TRIGG

Certificate of Attendance



SWEDISH

Seattle Prostate Institute and
Swedish Medical Center

Fifth Annual Advanced Prostate Brachytherapy Conference

April 12-13, 2002
Bell Harbor International Conference Center
Seattle, Washington

8:00 am-5:00 pm, April 12, 2002
8:30 am-4:00 pm, April 13, 2002

Stephen A. Arrigo, M.D.

Name of Participant

Stephen A. Arrigo
Participant Signature

15
Hours Claimed

ACCREDITATION:

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Swedish Medical Center and The Seattle Prostate Institute. Swedish Medical Center is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT HOURS:

Swedish Medical Center designates this educational activity for a maximum of 15 hours in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

Sandra Norris
Sandra Norris
Director, Medical Education

Maureen Trigg
Maureen Trigg
Coordinator/Registrar

Please keep this certificate for your records.
The registrar can verify that the participant
signed in at the program. Actual hours of
attendance claimed are the individual participant's
responsibility.

Certificate of Attendance



SWEDISH

**Swedish Medical Center and
Seattle Prostate Institute**

Swedish Medical Center certifies that

Stephen Arrigo, M.D.

Name of Physician

Has participated in the educational activity titled

Seventh Annual Advanced Prostate Brachytherapy Conference

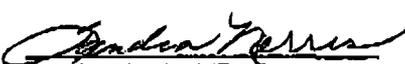
April 2-3, 2004
Fairmont Olympic Hotel
Seattle, Washington
8:00am-4:00pm April 2
8:00am-3:30pm April 3

And is awarded 15.0 category 1 credits towards the AMA Physician's Recognition Award.

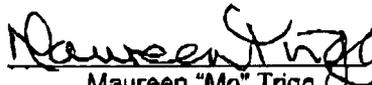


Physician Signature

15
Credits verified by physician



Sandra Norris, MBA
Director, Medical Education



Maureen "Mo" Trigg
Education Coordinator
Seattle Prostate Institute

Please keep this certificate for your records.

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 5 PAGES
Amendment No. 52

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.

<p style="text-align: center;">Licensee</p> <p>1. Crozer Chester Medical Center</p> <p>2. One Medical Center Boulevard Upland, Pennsylvania 19013-3995</p>	<p>In accordance with the letter dated December 19, 2005,</p> <p>3. License number 37-12240-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2012</p> <hr/> <p>5. Docket No. 030-03159 Reference No.</p>
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6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 35.300	C. Any	C. 1 curie
D. Any byproduct material permitted by 10 CFR 35.400	D. Sealed sources	D. 3 curies
E. Phosphorus 32	E. Any	E. 10 millicuries
F. Sulfur 35	F. Any	F. 30 millicuries
G. Iridium 192 permitted by 10 CFR 35.600	G. Sealed Sources [Nucletron Model 096.001 (manufactured by Mallinckrodt Medical B.V. or AEA Technology, Inc.); Alpha-Omega Services Model CSNOQ10-192]	G. 2 sources, 1 source not to exceed 12 curies and 1 source not to exceed 9 curies
H. Iridium 192 permitted by 10 CFR 35.600	H. Sealed Sources (Nucletron Model 105.002)	H. 2 sources, 1 source not to exceed 12 curies and 1 source not to exceed 9 curies

FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 2 of 5 PAGES

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
37-12240-01

Docket or Reference Number
030-03159

Amendment No. 52

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. Any manual brachytherapy procedure permitted by 10 CFR 35.400.
- E. and F. Research and development as defined in 10 CFR 30.4.
- G. One source for medical use permitted by 10 CFR 35.600, in a Nucletron MicroSelectron HDR Classic remote afterloader unit. The source activity may not exceed 10 curies at the time of use. One source in its shipping container as necessary for replacement of the source in the remote afterloader unit.
- H. One source for medical use permitted by 10 CFR 35.600, in a Nucletron MicroSelectron Model 105.999 remote afterloader unit. The source activity may not exceed 10 curies at the time of use. One source in its shipping container as necessary for replacement of the source in the remote afterloader unit.

CONDITIONS

- 10. A. Licensed material may be used or stored at the licensee's facilities located at CCMC, One Medical Center Boulevard, Upland, Pennsylvania.
- B. Licensed material in Items 6.A., 6.B. and Iodine 131 for the diagnosis and treatment of hyperthyroidism and cardiac dysfunction may be used or stored at CCMC - Springfield Division, 190 West Sproul Road, Springfield, Pennsylvania.
- C. Licensed material in Items 6.A. and 6.B., excluding generators and gas, may be used or stored at the licensee's facilities located at CCMC - Taylor Division, 175 East Chester Pike, Ridley Park, Pennsylvania.
- 11. The Radiation Safety Officer for this license is Diana Stockdale, M.S.
- 12. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as an authorized user, authorized nuclear pharmacist, and/or authorized medical physicist in accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for medical use as indicated:

Authorized Users

Material and Use

Stephen A. Arrigo, M.D.

35.300; 35.400; Iridium 192 for uses in a high dose rate remote afterloader unit

Kenneth D. Mendel, M.D.

35.200

374A

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 5 of 5 PAGES

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
37-12240-01

Docket or Reference Number
030-03159

Amendment No. 52

15. 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 February 26, 1991
- B. Letter dated August 14, 1991
- C. Letter dated December 3, 1991
- D. Letter dated September 1, 1995
- E. Letter dated September 15, 1995 except Quality Management Program
- F. Letter dated October 4, 1995
- G. Letter dated November 22, 1995
- H. Letter dated April 24, 1995, received April 26, 1996
- I. Letter dated May 14, 1996
- J. Letter dated September 10, 1997
- K. Letter dated June 2, 2000 [ML003726628]
- L. Letter dated June 13, 2000 [ML003756417]
- M. Letter dated February 27, 2001 [ML010850119]
- N. Letter dated December 19, 2005 [ML060040396]

For the U.S. Nuclear Regulatory Commission

Date February 2, 2006

By

Willie J. Lee

Willie J. Lee
Medical Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406
275640800 Thursday, February 02, 2006 5:48:41 PM



Continuum Health Partners, Inc.

BETH ISRAEL MEDICAL CENTER
New York

CERTIFIES THAT

Stephen Arrigo, MD

Has participated in the Medical Education Activity Entitled

11th International Brachytherapy Conference
Sante Fe, New Mexico

June 19, 2002 - June 22, 2002

Awarded 18 hours of category 1 credit toward the AMA Physicians' Recognition Award

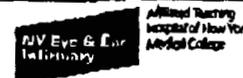
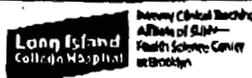
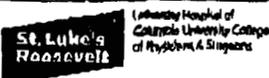
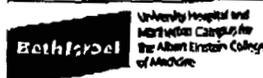
Beth Israel Medical Center and St. Luke's-Roosevelt Hospital Center are accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education activities for physicians and takes responsibility for the content, quality and scientific integrity of this CME activity.

As an accredited organization, Beth Israel Medical Center has approved this continuing medical education activity as meeting the criteria for the stated number of credit hours toward the Physician's Recognition Award of the American Medical Association.

H. Jay Wisnicki, MD

H. Jay Wisnicki, MD
Chair, Medical Board Continuing Medical Education Committee
Beth Israel Medical Center

Continuum Health Partners, Inc.



CURRICULUM VITAE

Name Stephen Anthony Arrigo M.D.

Office Address Crozer Regional Cancer Center
 Crozer Chester Medical Center
 One Medical Center Blvd.
 Upland, PA 19013

Birth [REDACTED]

Degrees B.A. University of Rochester, 1979
 M.D. New York University, 1983

Internship Hospital of the University of
 Pennsylvania, Internal Medicine, 1983-84

Residencies Hospital of the University of
 Pennsylvania, Internal Medicine, 1984-86
 Hospital of the University of
 Pennsylvania, Radiation Oncology, 1986-89

Diplomate National Board of Medical Examiners, 1984
 American Board of Internal Medicine, 1986
 American Board of Radiology in Radiation
 Oncology, 1989

Staff Appointments Attending Physician, Crozer Chester
 Medical Center, 1989-present (2004)

State Licensure Pennsylvania, MD 033150E, 1984-present

Awards Phi Beta Kappa, Univ of Rochester, 1979
 Summa Cum Laude, Univ of Rochester, 1979
 Alpha Omega Alpha, New York Univ
 School of Medicine, 1983

**PERSONAL INFORMATION WAS REMOVED
 BY NRC. NO COPY OF THIS INFORMATION
 WAS RETAINED BY THE NRC.**

Publications **“Adult Wilms Tumor”, Cancer, Nov. 1990**

Professional Societies **American Medical Association**
Pennsylvania Medical Society
Delaware County Medical Society
American Society of Therapeutic Radiology
And Oncology

This is to acknowledge the receipt of your letter/application dated

9/5/08, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment C29-07758-01
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 142780.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.