

**ROGAN & O'BRIEN
CARDIOVASCULAR ASSOCIATES, P.C.**

3299 WOODBURN ROAD, SUITE 200
ANNANDALE, VIRGINIA 22003

NM502

John T. O'Brien, M.D., F.A.C.C.
Kevin M. Rogan, M.D., F.A.C.C.
Jun Anthony Quion, M.D., F.A.C.C.

Tel: 703-573-0740
Tel: 703-698-6255
Fax: 703-207-8561

February 16, 2007

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

03036560

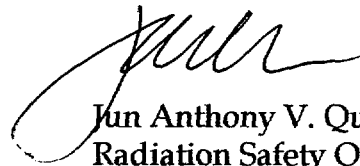
RE: Amendment to NRC Radioactive Materials License Number 45-30909-01

Dear Sirs:

We are requesting an amendment to the radioactive materials license referenced above to make the following change. Please add Kevin Rogan, M.D. to this license as an authorized user. We wish that Dr. Rogan be authorized to use materials permitted by 35.100 and 35.200. A certificate for evidence of Dr. Rogan's training and experience and a preceptor form are enclosed.

Please contact me should you have any question concerning this request.

Sincerely,



Jun Anthony V. Quion, M.D.
Radiation Safety Officer

2007 MAR - 5 AM 10: 52
RECEIVED
REGION I

Enclosure

140168

~~CONFIDENTIAL~~ NMCC/REGI MATERIALS-002
OK to delete label per Dr. Quion
telephone 3/5/07 TRS

**MEDICAL USE TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**

PART I – TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35)

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

Kevin Rogan, M.D., Authorized User

2. For Physicians, Podiatrists, Dentists, Pharmacists – State or Territory Where Licensed

State of Virginia

3. CERTIFICATION

- a. Provide a copy of the board certification. (Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)
- b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).
- c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.
Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.

4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS

- a. Provide a copy of the license or broadscope permit listing the current authorization **and** (b) or (c)
- b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).
- c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)

| Description of Training | Location | Clock Hours | Dates of Training |
|--|--|-------------------|----------------------------------|
| Radiation Physics and Instrumentation | CorScan Plus/Authorized User Classroom & Laboratory Training Program, Toledo, OH. NRC License #47-25351-01 | Total of 80 hours | Completion Date: August 23, 2006 |
| Radiation Protection | CorScan Plus | | |
| Mathematics Pertaining to the Use and Measurement of Radioactivity | CorScan Plus | | |
| Radiation Biology | CorScan Plus | | |
| Chemistry of Byproduct Material for Medical Use | CorScan | | |
| OTHER | | | |

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION

| Description of Experience | Name of Supervising Individual(s) | Location and Corresponding Materials License Number | Dates and/or Clock Hours of Experience |
|---|---|--|--|
| Dedicate Nuclear Cardiology training experience | Jun Anthony V. Quion, M.D., RSO | NRC#45-30909-01 | 08/04-01/07 |
| Ordering, Receiving, Unpacking Radioactive materials safely and performing related radiation surveys | Steven Walter, M.D. Authorized User, CorScan Plus | NRC#47-25351-01 | 07/27/06 |
| Calibrating instruments and performing quality control procedures used to determine the activith of dosages and performing checks for survey meters | Steven Walter, M.D. Authorized User, CorScan Plus | NRC#47-25351-01 | 07/26/06 |
| Calculating, measuring, and safety preparing patient or human research subject dosages | Steven Walter, M.D. Authorized User, CorScan Plus | NRC#47-25351-01 | 07/28/06 |
| Using administrative controls to prevent a medical event involving the use of unsealed byproduct material | Steven Walter, M.D. Authorized User, CorScan Plus | NRC#47-25351-01 | 08/04/06 |
| Using procedures to safely contatain spilled radioactive material and using proper decontamination procedures | Steven Walter, M.D. Authorized User, CorScan Plus | NRC#47-25351-01 | 07/25/06 |
| Administering dosages of radioactive drugs to patients of human research subjects | Steven Walter, M.D. Authorized User, CorScan Plus | NRC#47-25351-01 | 7/25/06 |
| Generator Elution systems:preparing of radioactive drugs for imaging, measuring and testing eluate, processing eluate with reagent kits | Steven Walter, M.D. Authorized User, CorScan Plus | Mallincrodkt Nuclear Pharmacy, Toledo, OH NRC#47-25351-01 | 08/23/06 |

6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a)

| Radionuclide | Type of Use | No. of Cases Involving Personal Participation | Name of Supervising Individual | Location and Corresponding Materials License Number | Dates and/or Clock Hours of Experience |
|--------------|-----------------|---|--------------------------------|---|--|
| Tc99m | Cardiac Imaging | >1000 | Jun Anthony V. Quion | NRC#45-30909-01 | 08/04-1/07 |
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MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6c. TRAINING FOR SECTIONS 35.50(e), 35.51(c), 35.590(c), or 35.690(c)

| Training Element | Type of Training * | Location and Dates |
|------------------|--------------------|--------------------|
| | | |
| | | |
| | | |
| | | |

* Types of training may include supervised (complete item 10 for 35.50(e), 35.51(c), and 35.690(c)), didactic, or vendor training.

7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.600) and Medical Physicists

| Degree, Area of Study or Residency Program | Name of Program and Location with Corresponding Materials License Number | Dates | Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490) |
|--|--|-------|---|
| | | | |

8. RADIATION SAFETY OFFICER (RSO) – ONE-YEAR FULL-TIME EXPERIENCE

- YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.
- N/A of _____ the RSO for License No. _____

9. MEDICAL PHYSICIST – ONE-YEAR FULL-TIME TRAINING/WORK EXPERIENCE

- YES Completed 1 year of full-time training (for areas identified in item 6a) in therapeutic radiological physics (35.961) or medical physics (35.51) under the supervision of _____
- N/A who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51);

and

- YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and for topics identified in item 6a) for (specify use or device) _____
- N/A under the supervision of _____ who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51) (specify use or device) _____

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

10. SUPERVISING INDIVIDUAL – IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each) :

A. Name of Supervisor

Jun Anthony V. Quion, M.D.

B. Supervisor is:

Authorized User

Authorized Medical Physicist

Radiation Safety Officer

Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 35.190, 35.290, 35.50

for medical uses in Part 35, Section(s) 35.100, 35.200

D. Address

3299 Woodburn Road
Suite 200
Annandale, Virginia 22003

E. Materials License Number

NRC 45-30909-01

PART II – PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 35, Subpart J (except 35.980).

I attest the individual named in Item 1:

11a.

has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 35.100, 35.200, as documented in section(s) 6a, 6b of this form.

11b. Select one

meets the requirements in 35.50(e) 35.51(c) 35.390(b)(1)(ii)(G) 35.690(c) for _____ types of use, as documented in section(s) _____ of this form.

N/A

11c.

has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); **OR**

has achieved a level of competency sufficient to function independently as an authorized User for 35.100, 35.200 uses (or units); **OR**

has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety Officer for a medical use licensee ; **OR**

N/A

11d.

I am an Authorized Nuclear Pharmacist; **OR** I am a Radiation Safety Officer; **OR**

I meet the requirements of 35.190, 35.290 section(s) of 10 CFR Part 35

or equivalent Agreement State requirements to be a preceptor AU or AMP

for the following byproduct material uses (or units): Any byproduct material permitted in 35.100, 35.200

A. Address

3299 Woodburn Road
Suite 200
Annandale, Virginia 22003

B. Materials License Number

NRC 45-30909-01

C. NAME OF PRECEPTOR (print clearly)

JUN ANTHONY V. QUION, MD

D. SIGNATURE – PRECEPTOR

E. DATE

2/23/02

Certificate of Completion
Authorized User Classroom and Laboratory
Training Program

Kevin Rogan, M.D.

has successfully completed 80 hours of classroom and laboratory training that included:

- Radiation physics and instrumentation;*
- Radiation protection;*
- Mathematics pertaining to the use and measurement of radioactivity;*
- Chemistry of byproduct material for medical use;*
- Radiation biology; Generator elution and*
- Review of regulations regarding the medical use of radioisotopes.*

Corscan
The Nuclear Imaging Company
www.corscanplus.com

Steven W. Walter, MD

August 23, 2006

Steven W. Walter, MD
 Program Director
 General Manager and CEO
 Corscan
 910-528-6251
 Authorized User and RSO NRC No. 47-25351-01

Date

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.

| | |
|---|----------------------------------|
| Licensee | |
| 1. Rogan & O'Brien Cardiovascular Associates, P.C. | 3. License No. 45-30909-01 |
| 2. 3299 Woodburn Road Suite 200 Annandale, Virginia 22003 | 4. Expiration Date: May 31, 2014 |
| | 5. Docket No. 030-36560 |

| | | |
|---|----------------------------------|--|
| 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 |

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.

CONDITIONS

- 10. Licensed material shall be used or stored only at the licensee's facilities located at 3299 Woodburn Road, Suite 200, Annandale, Virginia.
- 11. The Radiation Safety Officer (RSO) for this license is Jun Anthony V. Quion, M.D.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.
45-25638-01

Docket No.
030-36412

12. Licensed material is only authorized for use by, or under the supervision of:

- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for the materials and uses indicated:

Authorized User

Material and Use

Jun Anthony V. Quion, M.D.

35.100; 35.200

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.

14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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.

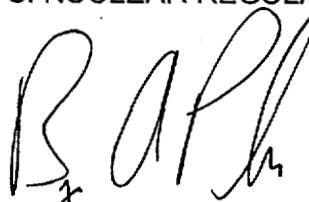
A. Application dated April 21, 2004 (w/ 4/20/04 cover letter)

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

MAY 17 2004

Date _____

BY



Bryan A. Parker
Nuclear Materials Safety Branch 3
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406-1415

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

2/16/2007, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 45-30909-01
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** 140168.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.