FACSIMILE TRANSMITTAL SHEET

TO: Colleen Casey	FROM: William Bell, Jr.
COMPANY: NRC	DATE: 6/18/2010
FAX NUMBER: (630) 829-9782	TOTAL NO. OF PAGES INCLUDING COVER: Fifteen (15)
PHONE NUMBER: (248) 652-5111	SENDER'S REFERENCE NUMBER: License No. 21-13562-01
RE: Control #318832	YOUR REFERENCE NUMBER: N/A

URGENT X FOR REVIEW PLEASE COMMENT PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

To Colleen:

Thank you for your assistance with out amendment with control number 318832.

Have a Blessed Day

[CLICK HERE AND TYPE RETURN ADDRESS]

CRITTENTON

Get Better Here™

June 18, 2010

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Materials Licensing Section
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

ATTN: Colleen Carol Casey

Re: Additional information to control number 318832 for **License No. 21-13562-01, Crittenton Hospital.**

Please find the updated NRC Form 313A (AUD) and 313A (AUT) to add Annie Kalapparambath, M.D. as an authorized user for 35.100, 35.200, and 35. 300 limited to written directions involving the oral administration of sodium iodide I-131 requiring a written directive in quantities less than 1.22 gigabecquerels (33 millicuries) and quantities greater than 1.22 gigabecquerels (33 millicuries).

Thank you for you cooperation with this matter. If you have any questions or require additional information please contact our physicist, Michelle L. Kritzman, at (734) 662-3197.

Respectfully,

William Bell Jr.

William Bell, Jr.
Administrative Director, Imaging & Diagnostics
Crittenton Hospital Medical Center
Rochester, Michigan 48307

The American Board of Radiology

Organized through the cooperation of the American College of Radiology, the American Roentgen Ray Society, the American Radium Society, the Radiological Society of North America, the Section on Radiology of the American Medical Association, the American Society for Therapeutic Radiology and Oncology, the Association of University Radiologists, and American Association of Physicists in Medicine

Hereby certifies that

Annie Kalapparambath, MB, BS

Has pursued an accepted course of graduate study and clinical work, has met certain standards and qualifications and has passed the examinations conducted under the authority of The American Board of Radiology

On this third day of June, 2008

Thereby demonstrating to the satisfaction of the Board that she is qualified to practice the specialty of

Diagnostic Radiology

AH Eligible

THE AMERICAN BOARD OF RADIOLOGY INCORPORATED IN THE DISTRICT OF COLUMBIA 1934

H. Reed Dunnick, MD
President

Richard L. Morin
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NRC FORM 313A (AUD)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION
(for uses defined under 35.100, 35.200, and 35.500)
[10 CFR 35.190, 35.290, and 35.590]

APPROVED BY OMB: NO. 3150-0120
EXPIRES: 3/31/2012

Name of Proposed Authorized User
Annie Kalapparambath, MD

State or Territory Where Licensed
Michigan

Requested Authorization(s) *(check all that apply)*

✓ 35.100 Uptake, dilution, and excretion studies

✓ 35.200 Imaging and localization studies

35.500 Sealed sources for diagnosis (specify device)

PART I -- TRAINING AND EXPERIENCE
(Select one of the three methods below)

- Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

1. **Board Certification**

a. Provide a copy of the board certification.

b. If using only 35.500 materials, stop here. If using 35.100 and 35.200 materials, skip to and complete Part II Preceptor Attestation.

2. **Current 35.390 Authorized User Seeking Additional 35.290 Authorization**

a. Authorized user on Materials License meeting 10 CFR 35.390 or equivalent Agreement State requirements seeking authorization for 35.290.

b. Supervised Work Experience.
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs			

Total Hours of Experience:

Supervising Individual

License/Permit Number listing supervising individual as an authorized user

Supervisor meets the requirements below, or equivalent Agreement State requirements *(check all that apply)*

35.290 35.390 + generator experience in 32 290(c)(1)(ii)(G)

NRC FORM 313A (AUD)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

✓ 3. **Training and Experience for Proposed Authorized User**

a. Classroom and Laboratory Training.

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	67	August 1, 2003-July 31, 2004
Radiation protection	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	10	August 1, 2003-July 31, 2004
Mathematics pertaining to the use and measurement of radioactivity	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	8	August 1, 2003-July 31, 2004
Chemistry of byproduct material for medical use *(not required for 35.590)*	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	40	August 1, 2003-July 31, 2004
Radiation biology	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	10	August 1, 2003-July 31, 2004

Total Hours of Training: 135

b. Supervised Work Experience (completion of this table is not required for 35.590).
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervised Work Experience **Total Hours of Experience:** 1920

Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003-July 31, 2004
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003-July 31, 2004

NRC FORM 313A (AUO)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Training and Experience for Proposed Authorized User (continued)

b. Supervised Work Experience. (continued)

Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Calculating, measuring, and safely preparing patient or human research subject dosages	William Beaumont Hospital, Nuclear Med Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003-July 31, 2004
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material	William Beaumont Hospital, Nuclear Med Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003-July 31, 2004
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003-July 31, 2004
Administering dosages of radioactive drugs to patients or human research subjects	William Beaumont Hospital, Nuclear Med Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003-July 31, 2004
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs	William Beaumont Hospital, Nuclear Med Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003-July 31, 2004

Supervising Individual

Helena Balon, M.D.

License/Permit Number listing supervising individual as an authorized user

21-01333-01

Supervisor meets the requirements below, or equivalent Agreement State requirements *(check one)*

✓ 35.190 ✓ 35.290 ✓ 35.390 ✓ 35.390 + generator experience in 35.290(c)(1)(ii)(G)

c. For 35.590 only, provide documentation of training on use of the device.

Device	Type of Training	Location and Dates

d. For 35.500 uses only, stop here. For 35.100 and 35.200 uses, skip to and complete Part II Preceptor Attestation.

NRC FORM 313A (AUD)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

PART II – PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. (Not required to meet training requirements in 35.590)

By checking the boxes below, the preceptor is attesting that the individual has knowledge to fulfill the duties of the position sought and not attesting to the individual's "general clinical competency."

First Section
Check one of the following for each use requested:

For 35.190

Board Certification

I attest that _____ has satisfactorily completed the requirements in
Name of Proposed Authorized User

10 CFR 35.190(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

OR

Training and Experience

✓ I attest that Annie Kalapparambath MD has satisfactorily completed the 60 hours of training and
Name of Proposed Authorized User

experience, including a minimum of 8 hours of classroom and laboratory training, required by 10 CFR 35.190(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

For 35.290

Board Certification

I attest that _____ has satisfactorily completed the requirements in
Name of Proposed Authorized User

10 CFR 35.290(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

OR

Training and Experience

✓ I attest that Annie Kalapparambath MD has satisfactorily completed the 700 hours of training
Name of Proposed Authorized User

and experience, including a minimum of 80 hours of classroom and laboratory training, required by 10 CFR 35.290(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

Second Section
Complete the following for preceptor attestation and signature:

✓ I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:

✓ 35.190 ✓ 35.290 ✓ 35.390 ✓ 35.390 + generator experience

Name of Preceptor	Signature	Telephone Number	Date
Helena Balon, M.D.	Helena Balon, M.D.	(248) 898-4126	01/25/2010

License/Permit Number/Facility Name
21-01333-01 William Beaumont Hospital

NRC FORM 313A (AUT)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION
(for uses defined under 35.300)
[10 CFR 35.390, 35.392, 35.394, and 35.396]

APPROVED BY OMB: NO. 3150-0120
EXPIRES: 3/31/2012

Name of Proposed Authorized User	State or Territory Where Licensed
Annie Kalapparambath, MD	Michigan

Requested Authorization(s) *(check all that apply)*:

☐ 35.300 Use of unsealed byproduct material for which a written directive is required

OR

☑ 35.300 Oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)

☑ 35.300 Oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries)

☐ 35.300 Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

☐ 35.300 Parenteral administration of any other radionuclide for which a written directive is required

PART I -- TRAINING AND EXPERIENCE
(Select one of the three methods below)

- Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

☐ 1. **Board Certification**

a. Provide a copy of the board certification.

b. For 35.390, provide documentation on supervised clinical case experience. The table in section 3.c. may be used to document this experience.

c. For 35.396, provide documentation on classroom and laboratory training, supervised work experience, and supervised clinical case experience. The tables in sections 3.a., 3.b., and 3.c. may be used to document this experience.

d. Skip to and complete Part II Preceptor Attestation.

☐ 2. **Current 35.300, 35.400, or 35.600 Authorized User Seeking Additional Authorization**

a. Authorized User on Materials License _____ under the requirements below or equivalent Agreement State requirements *(check all that apply)*:

☐ 35.390 ☐ 35.392 ☐ 35.394 ☐ 35.490 ☐ 35.690

b. If currently authorized for a subset of clinical uses under 35.300, provide documentation on additional required supervised case experience. The table in section 3.c. may be used to document this experience. Also provide completed Part II Preceptor Attestation.

c. If currently authorized under 35.490 or 35.690 and requesting authorization for 35.396, provide documentation on classroom and laboratory training, supervised work experience, and supervised clinical case experience. The tables in sections 3.a., 3.b., and 3.c. may be used to document this experience. Also provide completed Part II Preceptor Attestation.

NRC FORM 313A (AUT)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

✓ 3. **Training and Experience for Proposed Authorized User**

a. Classroom and Laboratory Training | 35.390 | ✓ 35.392 | ✓ 35.394 | 35.396

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073	67	August 1, 2003 -July 31, 2004
Radiation protection	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073	10	August 1, 2003 -July 31, 2004
Mathematics pertaining to the use and measurement of radioactivity	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073	8	August 1, 2003 -July 31, 2004
Chemistry of byproduct material for medical use	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073	40	August 1, 2003 -July 31, 2004
Radiation biology	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073	10	August 1, 2003 -July 31, 2004
	Total Hours of Training:	135	

b. Supervised Work Experience | 35.390 | ✓ 35.392 | ✓ 35.394 | 35.396

If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.

Supervised Work Experience — Total Hours of Experience: 1,920

Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003 -July 31, 2004
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003 -July 31, 2004
Calculating, measuring, and safely preparing patient or human research subject dosages	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003 -July 31, 2004
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003 -July 31, 2004
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	✓ Yes No	August 1, 2003 -July 31, 2004

NRC FORM 313A (AUT)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Training and Experience for Proposed Authorized User (continued)

b. Supervised Work Experience (continued)

Supervising Individual	License/Permit Number listing supervising individual as an authorized user
Helena Balon, M.D.	NRC License: 21-01333-01

Supervising individual meets the requirements below, or equivalent Agreement State requirements *(check all that apply)***:

✓ 35.390	With experience administering dosages of:
✓ 35.392	✓ Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)
✓ 35.394	✓ Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)
✓ 35.396	✓ Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required
	☐ Parenteral administration of any other radionuclide requiring a written directive

** Supervising Authorized User must have experience in administering dosages in the same dosage category or categories as the individual requesting authorized user status.

c. Supervised Clinical Case Experience
If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this page.

Description of Experience	Number of Cases Involving Personal Participation	Location of Experience/License or Permit Number of Facility	Dates of Experience*
Oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)	22	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	August 1, 2003 -July 31, 2004
Oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries)	8	William Beaumont Hospital, Nuclear Medicine Dept. 3601 W. 13 Mile Rd, Royal Oak, MI 48073 21-01333-01	August 1, 2003 -July 31, 2004
Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required			
Parenteral administration of any other radionuclide for which a written directive is required (List radionuclides)			

NRC FORM 313A (AUT)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Training and Experience for Proposed Authorized User (continued)

c. Supervised Clinical Case Experience (continued)

Supervising Individual	License/Permit Number listing supervising individual as an authorized user
Helena Balon, MD	NRC license: 21-01333-01

Supervising individual meets the requirements below, or equivalent Agreement State requirements *(check all that apply)***:

✓ 35.390	With experience administering dosages of:
✓ 35.392	✓ Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)
✓ 35.394	✓ Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)
✓ 35.396	✓ Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required
	☐ Parenteral administration of any other radionuclide requiring a written directive

** Supervising Authorized User must have experience in administering dosages in the same dosage category or categories as the individual requesting authorized user status.

d. Provide completed Part II Preceptor Attestation.

PART II – PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

By checking the boxes below, the preceptor is attesting that the individual has knowledge to fulfill the duties of the position sought and not attesting to the individual's "general clinical competency."

First Section
Check one of the following for each requested authorization:

For 35.390:

Board Certification

☐ I attest that _____ has satisfactorily completed the training and experience
Name of Proposed Authorized User

requirements in 35.390(a)(1).

OR

Training and Experience

☐ I attest that _____ has satisfactorily completed the 700 hours of training
Name of Proposed Authorized User

and experience, including a minimum of 200 hours of classroom and laboratory training, as required by 10 CFR 35.390 (b)(1).

NRC FORM 313A (AUT)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Preceptor Attestation (continued)

First Section (continued)

For 35.392 (Identical Attestation Statement Regardless of Training and Experience Pathway):

[✓] I attest that **Annie Kalapparambath, MD** has satisfactorily completed the 80 hours of classroom
Name of Proposed Authorized User

and laboratory training, as required by 10 CFR 35.392(c)(1), and the supervised work and clinical case experience required in 35.392(c)(2).

For 35.394 (Identical Attestation Statement Regardless of Training and Experience Pathway):

[✓] I attest that **Annie Kalapparambath, MD** has satisfactorily completed the 80 hours of classroom
Name of Proposed Authorized User

and laboratory training, as required by 10 CFR 35.394 (c)(1), and the supervised work and clinical case experience required in 35.394(c)(2).

Second Section

[✓] I attest that **Annie Kalapparambath, MD** has satisfactorily completed the required clinical case
Name of Proposed Authorized User

experience required in 35.390(b)(1)(ii)G listed below:

[✓] Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)

[✓] Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)

[ ] Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required

[ ] Parenteral administration of any other radionuclide requiring a written directive

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Third Section

[✓] I attest that **Annie Kalapparambath, MD** has satisfactorily achieved a level of competency to
Name of Proposed Authorized User

function independently as an authorized user for:

[✓] Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)

[✓] Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)

[ ] Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required

[ ] Parenteral administration of any other radionuclide requiring a written directive

NRC FORM 313A (AUT)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Fourth Section

For 35.396:

Current 35.490 or 35.690 authorized user:

☐ I attest that _____ is an authorized user under 10 CFR 35.490 or 35.690
Name of Proposed Authorized User

or equivalent Agreement State requirements, has satisfactorily completed the 80 hours of classroom and laboratory training, as required by 10 CFR 35.396 (d)(1), and the supervised work and clinical case experience required by 35.396(d)(2), and has achieved a level of competency sufficient to function independently as an authorized user for:

☐ Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

☐ Parenteral administration of any other radionuclide for which a written directive is required

OR

Board Certification:

☐ I attest that _____ has satisfactorily completed the board certification
Name of Proposed Authorized User

requirements of 35.396(c), has satisfactorily completed the 80 hours of classroom and laboratory training required by 10 CFR 35.396 (d)(1) and the supervised work and clinical case experience required by 35.396(d)(2), and has achieved a level of competency sufficient to function independently as an authorized user for:

☐ Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

☐ Parenteral adminstration of any other radionuclide for which a written directive is required

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Fifth Section
Complete the following for preceptor attestation and signature:

☑ I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:

☑ 35.390 ☑ 35.392 ☑ 35.394 ☑ 35.396

☑ I have experience administering dosages in the following categories for which the proposed Authorized User is requesting authorization.

☑ Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)

☑ Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)

☑ Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required

☐ Parenteral administration of any other radionuclide requiring a written directive

Name of Preceptor	Signature	Telephone Number	Date
Helena Balon, M.D.	Helena Balon, MD	(248) 898-4126	05/20/2010

License/Permit Number/Facility Name
21-01333-01 William Beaumont Hospital

Beaumont Hospitals

Authorized User List

I. PHYSICIANS

	CATEGORY OF APPROVAL
A. Nuclear Medicine	
Conrad Nagle, M.D.	35.100, 35.200, 35.300 (35.392, 35.394, **35.396**), 35.500, 35.1000**
Darlene Fink-Bennett, M.D.	35.100, 35.200, 35.300 (35.392, 35.394, **35.396**), 35.590, 35.1000**
Donald Meier, M.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
Helena Balon, M.D.	35.100, 35.200, 35.300 (35.392, 35.394, **35.396**), 35.500
Michael Kaplan, M.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
C. Oliver Wong, M.D.,Ph.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
John Seitz, M.D.	35.100, 35.200, 35.300 (35.392, 35.394, **35.396**), 35.500
William Mallin, M.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
Paresh Mahajan, M.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
Dafang Wu, M.D., Ph.D	35.100, 35.200, 35.300 (35.392, 35.394), 35.590
Michael Savin, M.D.	35.1000* (Y-90 microsphere only)
William Romano, M.D	35.1000* (Y-90 microsphere only)
Gary W. Edelson, M.D.	35.100, 35.200, 35.300 (35.392, 35.394 thyroid only)
Michael Garcia, M.D.	35.100, 35.200, 35.300 (35.392, 35.394 thyroid only)
Charles Taylor, M.D.	35.100, 35.200, 35.300 (35.392, 35.394 thyroid only)
Lowell Schmeltz, M.D.	35.100, 35.200, 35.300 (35.392, 35.394 thyroid only)
Howard Blank, M.D.	35.100, 35.200, 35.300 (35.392, 35.394 thyroid only)
David Brill, M.D	35.100, 35.200 (except generators), cardio at Lake Orion
Nancy Gregory, M.D.	F-18 FDG PET mammography imaging
Feng Qing, M.D., Ph.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
John Ryberg, M.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
Marc S. Brodsky, M.D.	35.200 (except generators and xenon-133), cardio at WBMOB
David Breyer, M.D. (Deleted)	35.100, 35.200, 35.300 (35.392)
John Makris, M.D.	35.100, 35.200, 35.300 (35.392)
Jerald W. Henry, M.D.	35.100, 35.200
Thomas Barbieri, M.D.	35.100, 35.200
Alton Garfield Smith, M.D.	35.100, 35.200, 35.300 (35.392)
Jane Christine Palka, D.O.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
George Todorov, M.D.	35.100, 35.200, 35.300 (35.392, 35.394), 35.500
Ginette Gomez, D.O.	35.200 (except generators and xenon-133), cardio at SCS
B. Radiation Oncology	
Alvaro A. Martinez, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000***
Donald Brabbins, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000
Greg Gustafson, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000
Frank Vicini, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000
Peter Chen, M.D.	35.400, 35.500, 35.600 (HDR and Gamma Knife), 35.1000
Gary Gustafson, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000
Jannifer Stromberg, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000
John Robertson, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000
Larry Kestin, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000
Mihai Ghilezan, M.D.	35.400, 35.500, 35.600 (HDR), 35.1000***
Daniel Krauss, M.D.	35.400, 35.500, 35.600 (HDR and Gamma Knife), 35.1000
Inga Grills, M.D.	35.400, 35.500, 35.600 (HDR and Gamma Knife), 35.1000
James Fontanesi, M.D	35.400, 35.500, 35.600 (HDR and Gamma Knife), 35.1000
John Vito Antonucci, M.D.	35.400, 35.500, 35.600 (HDR and Gamma Knife), 35.1000

II. AUTHORIZED NUCLEAR PHARMACISTS

Michele Beauvais, RPh, BCNP	Nuclear Medicine
Wayne Melchior, PharmD, BCPS	PETNet
William Michael Balogh	PETNet

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Beaumont Hospitals

Edward M. Plut, BSPS, Pharm D — PETNet
Nicole Van Houten, R.PH. — Nuclear Medicine

III. AUTHORIZED CYCLOTRON OPERATORS

Ram Sharma, Ph.D. — Beaumont and PETNet

III. AUTHORIZED MEDICAL PHYSICISTS

HDR, Brachytherapy, 35.1000
Evelyn Sebastian, M.S.***
Lisa Burgess, M.S.
Di Yan, Ph.D.
Patrick McDermott, Ph.D.
Douglas Drake, M.S.
Leonard Kim, M.S.

35.1000*
Janice Campbell, Ph.D.**
Yongguang Liang, Ph.D.
Scott Emerson, M.S.

Gamma Knife
Ann Maitz, M.S.
Patrick McDermott, Ph.D.
Douglas Drake, M.S.
Leonard Kim, M.S.

Radiation Safety Officer and Designates
Cheryl Culver Schultz, M.S., Corporate Radiation Safety
Lisa Burgess, M.S., Radiation Oncology
Janice Campbell, Ph.D., Assistant Radiation Safety Officer
Evelyn Sebastian, Brachytherapy
Gabriel Maine, Ph.D., Clinical Pathology
Brian Marples, Ph.D., Research Institute
Alton G. Smith, M.D., Beaumont Grosse Pointe
Subhash Danak, M.S., Ambulatory Services
Dennis Aurand, M.S., Troy
Ram Sharma, Ph.D., PETNet Cyclotron RSO
Ann Maitz, M.S., Gamma Knife RSO

*Y-90 microsphere under 35.1000 — **I-125 Gliasite under 35.1000
***Sr-90 NeoVista under 35.1000

Respectfully submitted:

Darlene Fink-Bennett, M.D.
Chair, Radiation Safety Committee

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