

BLUEFIELD REGIONAL MEDICAL CENTER

RECEIVED
REGION I

2005 DEC 12 PM 2:41

12/6/05

J-3

U.S.N.R.C.
Region I
Attn: Michael Perkins
475 Allendale Road
King of Prussia, PA 19406

03017038

Re: License Number 47-19142-01

To Whom It May Concern

Please amend our Byproduct Material License as follows:

1. Add Ashutosh Chandel, MD as an authorized user for materials identified in 10 CFR 35.100 and 35.200. Documentation of Dr. Chandel's training and experience is attached for reference.

Thank you for your attention to this matter.

Sincerely,



138357

NMSS/REGI MATERIALS-002

500 CHERRY STREET • BLUEFIELD, WEST VIRGINIA, 24701 • (304) 327-1100

SEPARATED OUT OF 137905
2/8/2006.

NRC FORM 313 (4-2004) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 Estimated burden per response to comply with this mandatory collection request: 7 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to infocollects@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.	EXPIRES: 10/31/2005
APPLICATION FOR MATERIAL LICENSE			

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH: DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001	IF YOU ARE LOCATED IN: ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO: MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4362
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS: IF YOU ARE LOCATED IN: ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO: LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLEDALE ROAD KING OF PRUSSIA, PA 19406-1415	ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO: NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 611 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON, TX 76011-4005
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.	

1. THIS IS AN APPLICATION FOR (Check appropriate item) <input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>47-19142-01</u> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) Bluefield Regional Medical Center 500 Cherry Street Bluefield, WV 24701 304-327-2511
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED Bluefield Regional Medical Center 500 Cherry Street Bluefield, WV 24701 304-327-2511	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Sharon L. Long, NPC TELEPHONE NUMBER (330) 878-8057

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS
9. FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.
11. WASTE MANAGEMENT.	12. LICENSE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY <u>7C</u> AMOUNT ENCLOSED \$ <u>0.00</u>

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 38, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 82 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE Rex Hardy VP Auxiliary Svcs	SIGNATURE 	DATE 12/7/05
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FOR NRC USE ONLY					
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	



Cardiovascular Consultants, Ltd.

Andrei Damian, M.D., F.A.C.C.
William J. Rappoport, M.D., F.A.C.C.
David H. Sease, M.D., F.A.C.C.
Lee M. Ugal, M.D., F.A.C.C.
Marc A. Kates, D.O., F.A.C.C.
Ronald W. Zmyslinski, M.D., F.A.C.C.
Jeffrey I. Pakula, D.O., F.A.C.C.
Joseph V. Klug, D.O., F.A.C.C.
Anthony E. Sandoval, M.D., F.A.C.C.

Diagnostic and Interventional Cardiology

Dr. Chandel

March 8, 2000

RE: DR. ASHUTOSH CHANDEL

To Whom It May Concern:

I had the opportunity to supervise Dr. Chandel's training in nuclear cardiology between July '90 and August '91. During this time frame, Dr. Chandel was involved in more than 500 nuclear cardiac studies, including SPECT imaging and multigated acquisition imaging. These studies included rest and stress imaging, as well as rest and stress MUGA scanning, as described. My clinical experience with Dr. Chandel included the clinical evaluation of these patients before and after cardiac testing, as described. In addition, specifically he was involved in manipulation and interpretation of nuclear images.

At the end of this time frame Dr. Chandel had accumulated more than 500 hours of experience in the diagnostic ordering, acquisition, interpretation and therapeutic analysis for nuclear cardiology involving exercise and pharmacologic stress testing with SPECT imaging, as well as exercise and rest MUGA scanning. In that regard, he is clinically competent in the interpretation of these studies.

If you should have any questions, please do not hesitate to call.

Sincerely,

David R. Sease, M.D., F.A.C.C.
Nuclear License #7-388
DBS/mm

9-7-00: Called Dr. Sease @
(602) 870-1789. Verified letter was
dictated & signed by him
personally. B. Whitaker

16601 N. 40th Street - Suite 204 - Phoenix, Arizona 85018 - (602) 867-7644 - Fax (602) 491-3585
50 E. Dunlap - Suite 101 - Phoenix, Arizona 85018 - (602) 870-1789 - Fax (602) 870-8431
6036 N. 19th Avenue - Suite 500 - Phoenix, Arizona 85018 - (602) 744-7770 - Fax (602) 219-0220
18700 N. 64th Drive - Suite 208 - Glendale, Arizona 85305 - (602) 841-0211 - Fax (623) 567-0333
10290 N. 92nd Street - Suite 201 - Scottsdale, Arizona 85258 - (480) 941-9745 - Fax (480) 941-9782
5410 W. Thunderbird Rd. - Suite 100 - Glendale, Arizona 85306 - (602) 878-0695 - Fax (602) 875-9538
13620 N. Saguaro Blvd. - Suite 50 - Fountain Hills, Arizona 85268 - (480) 754-8100 - Fax (480) 754-8718

Health & Radiological Seminars, Inc.

Hereby certifies that

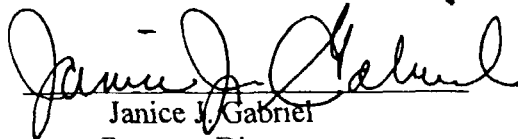
ASHUTOSH CHANDEL, M.D.

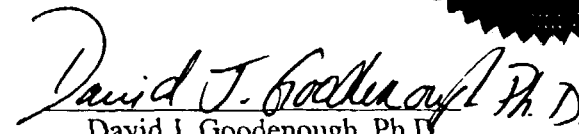
has successfully completed the 80 Hour Physician Training
Program in Basic Radioisotope Handling conducted
in accordance with the requirements of the
U.S. Nuclear Regulatory Commission (10 CFR 35).

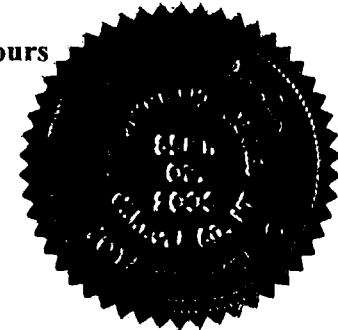
COURSE OUTLINE

Radiation Physics and Instrumentation
Mathematics pertaining to the use and measurement of radioactivity - 25 hours
Radiation Protection – Radiopharmaceutical Chemistry - 30 hours
Radiation Biology – 25 hours

November 6, 2005


Janice J. Gabriel
Program Director


David J. Goodenough, Ph.D.
Scientific Advisor



MEMO TO FILE

Bluefield Regional Medical Center
License No. 47-19142-01
Docket No. 03017038
Control No. 137905

SUBJECT: FACSIMILE TO SHARON LONG, CONSULTANT

Dear Ms. Long:

Please note that you may not reply to this letter by return e-mail. Your reply must be in writing by letter or facsimile (610-337-5269). If we do not receive a reply from you within 30 calendar days from the date of this facsimile, we will assume that you do not wish to pursue your application

With regard to the above control number, in order to add Dr. Chandel to the above license, we need the information specified in 10 CFR 35.290(c). Specifically, we need documentation that Dr. Chandel:

c)(1) Has completed 700 hours of training and experience, including a minimum of 80 hours of classroom and laboratory training, in basic radionuclide handling techniques applicable to the medical use of unsealed byproduct material for imaging and localization studies. The training and experience must include, at a minimum—

I. (i) Classroom and laboratory training in the following areas—

- (A) Radiation physics and instrumentation;
- (B) Radiation protection;
- (C) Mathematics pertaining to the use and measurement of radioactivity;
- (D) Chemistry of byproduct material for medical use;
- (E) Radiation biology; and

(ii) Work experience, under the supervision of an authorized user, who meets the requirements in §§ 35.290, or 35.290(c)(1)(ii)(G) and 35.390, or, before October 24, 2005, § 35.920, or equivalent Agreement State requirements, involving—

- (A) Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys;
- (B) Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters;
- (C) Calculating, measuring, and safely preparing patient or human research subject dosages;
- (D) Using administrative controls to prevent a medical event involving the use of unsealed

byproduct material;

(E) Using procedures to safely contain spilled radioactive material and using proper decontamination procedures;

(F) Administering dosages of radioactive drugs to patients or human research subjects; and

(G) Eluting generator systems appropriate for 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; and

(2) Has obtained written attestation, signed by a preceptor authorized user who meets the requirements in §§ 35.290 or 35.390 and 35.290(c)(1)(ii)(G), or, before October 24, 2005, § 35.920, or equivalent Agreement State requirements, that the individual has satisfactorily completed the requirements in paragraph (a)(1) or (c)(1) of this section and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under §§ 35.100 and 35.200.

Some of this information(80 hours) is contained within the certification from Health & Radiological Seminars, Inc. which was submitted with the application. If you have any questions, please call me at (610)337-5102.

Richard McKinley /RA/

Health Physicist

US NRC, RI

1/5/2006

BLUEFIELD REGIONAL MEDICAL CENTER

Touching Lives With Technology

500 Cherry Street Bluefield, WV 24701

Fax: (304) 327-1891

Date: 2/2/06
Number of Pages
Including Cover Sheet: 3
Fax To Number
1-610-337-5269

J-3

47-19142-01
03017038

HERE'S THE FAX!

Attention: Richard McKinley

Business: Control # 137905

Message: Bluefield Regional Medical Center
Adding Dr. Chardel as an authorized user
to our license

From: Noah K Meadows, Chief of the med
ph # 304-327-1560
fax # 304-327-1891

If this copy is illegible or incomplete, please call (304) 327-1548

137905

NONION MATERIALS-002

Dear Colleague,

I am an authorized user listed on the Radioactive Materials License of NRC, license number 7-388. This communication is to confirm that Ashutosh Chandel, M.D., F.A.C.C. has successfully completed all training requirements set forth by Nuclear Regulatory Commission guidelines section §§ 35.290, paragraph c (1). Dr. Ashutosh Chandel has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under the NRC guidelines §§ 35.100 and 35.200. Dr. Ashutosh Chandel has completed 700 hours of training and experience in basic radionuclide handling techniques applicable to the medical use of unsealed byproduct material for imaging and localization studies. This training and experience included a minimum of the following:

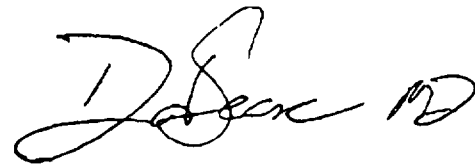
A. 1) Classroom and laboratory training in the following areas:

- a) Radiation physics and instrumentation;
- b) Radiation protection;
- c) Mathematics pertaining to the use and measurement of radioactivity;
- d) Chemistry of byproduct material for medical use;
- e) Radiation biology
- f) Generator Elution

2) Work experience, under the supervision of David R. Sease M.D., F.A.C.C. which meets the requirements in §§35.290, involving:

- a) Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys;
- b) Calibrating instruments used to determine the activity of dosages and performing checks for proper operation of survey meters;
- c) Calculating, measuring, and safely preparing patient or human research subject dosages;
- d) Using administrative controls to prevent a medical event involving the use of unsealed byproduct material;
- e) Using procedures to safely contain spilled radioactive material and using proper decontamination procedures;
- f) Administering dosages of radioactive drugs to patients or human research subjects; and
- g) Eluting generator systems appropriate for preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclide purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs

I am pleased to confirm that Dr. Ashutosh Chandel has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under the NRC guidelines §§35.100 and 35.200.



DAVID SEASE MD

003

BRMC RAD FILE ROOM

02/02/2006 12:43 FAX 3043271891

Health & Radiological Seminars, Inc.

Hereby certifies that

ASHUTOSH CHANDEL, M.D.

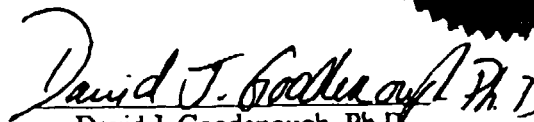
has successfully completed the 80 Hour Physician Training Program in Basic Radioisotope Handling conducted in accordance with the requirements of the U.S. Nuclear Regulatory Commission (10 CFR 35).

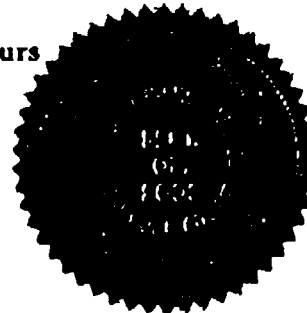
COURSE OUTLINE

- Radiation Physics and Instrumentation
- Mathematics pertaining to the use and measurement of radioactivity - 25 hours
- Radiation Protection – Radiopharmaceutical Chemistry - 30 hours
- Radiation Biology – 25 hours

November 6, 2005


 Janice J. Gabriel
 Program Director


 David J. Goodenough, Ph.D.
 Scientific Advisor



From: "Daniel Kuhl" <dkuhl@arra.state.az.us>
To: <RWM1@nrc.gov>
Date: 2/6/06 12:14PM
Subject: Physician authorization

47-19142-01
03017038

Hello:

It is an Arizona license. The doctor in question is listed as an authorized user on a nuclear ardiology license that authorizes Tc-99m and TL-201. Let me know if you need a copy of the license.

Dan Kuhl
ARRA
(602) 255-4845 x-233



ARIZONA RADIATION REGULATORY AGENCY

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 licensee, a license is hereby issued authorizing the acquisition, reception, possession, use and transfer of the radioactive material listed in this license for the purposes and at the places specified. This license is subject to all applicable rules and Agency orders now or hereafter in effect and to the conditions specified. In accordance with renewal application dated July 25, 2002, signed by David Sease, M.D., License Number 07-388 is hereby renewed in its entirety to read as follows: **ALL CHANGES ARE DONE IN BOLD**

LICENSEE

- 1. NAME: Cardiovascular Consultants, Ltd.
- 2. ADDRESS: 16601 N. 40th Street, Suite 204
Phoenix, Arizona 85032
- 3.a. LICENSE NUMBER: 7-388
- b. AMENDMENT NO.: 9
- 4. EXPIRATION DATE: October 31, 2007
- 5. CATEGORY: B3(2) - MEDICAL MATERIALS CLASS B

- | 6. Radioactive material (element and mass number) | 7. Chemical or physical form | 8. Maximum quantity licensee may possess at any time |
|---|---------------------------------------|--|
| A. Technetium - 99m | A. Radiopharmaceuticals in unit doses | A. As necessary for use |
| B. Thallium - 201 | B. Thallium Chloride in unit doses | B. As necessary for use |
9. Authorized Use:
A. and B. For diagnosis of heart disease, including renal flow studies

CONDITIONS

- 10. Radioactive material may be possessed and used only at the licensee's address stated in Item 2 above, 5422 West Thunderbird Road, Suite 8, Glendale, 85306, and at 6036 North 19th Avenue, Suite 312, Phoenix, 85015.
- 11. The licensee shall comply with the provisions of Title 12, Chapter 1, Arizona Administrative Code; Article 4, "Standards for Protection Against Radiation"; Article 7, "Use of Radionuclides in the Healing Arts"; and Article 10, "Notices, Instructions and Reports to Workers; Inspections".
- 12. A. Radioactive material shall be used by or under the supervision of: David Sease, M.D.
B. The Radiation Safety Officer for this license shall be David Sease, M.D.
- 13. Technical personnel using radioactive material under the supervision of the authorized user on this license shall be a nuclear medicine technologist registered with American Registry of Radiologic Technologists or the Society of Nuclear Medicine.

ARIZONA RADIATION REGULATORY AGENCY

RADIOACTIVE MATERIAL LICENSE
SUPPLEMENTARY SHEET

License Number 7-388
Amendment No. 9

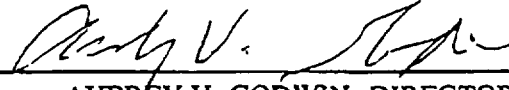
14. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material described in Items 6, 7 and 8 of this license in accordance with the statements, representations and procedures contained in:

1. Application dated July 25, 2002, signed by David Sease, M.D.

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

DATE ISSUED:

SEP 06 2002



AUBREY V. GODWIN, DIRECTOR

DHK:AVG:lp