



Heart & Circulation Clinics, P.C.

PUBLIC  
030-33947

Cardiologists

Arun Goel, M.D.  
Vijay B. Dave, M.D.  
Thach Nguyen, M.D.  
Harish A. Shah, M.D.  
Vijay Shah, M.D.

Electrophysiology  
Consultants

Tom Bu... M.D.  
Tom Bu... M.D.  
L... M.D.

September 30, 1996

United States Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, IL 60532-4351

Re: USNRC Materials License No. 13-26674-01

Dear Sir/Madam:

As per our conversation I am writing to you to clarify the request for amendment of license.

We would like to perform Nuclear Medicine procedures with the radioactive materials identified as 35.100 and 35.200. Unit doses will be used for the above procedures.

If you have any questions, please feel free to contact me or Kay Kirkham at 219-769-9020.

Sincerely,

*Vijay Shah*  
Vijay Shah, M.D.  
Radiation Safety Officer  
VS/jl

Main Office

209 East 86th Court  
Merrillville, IN 46410  
24 Hr. 219-769-9020  
Fax 214-769-1758

Additional Locations:

3229 Broadway  
Gary, IN 46409  
(219) 887-5480

801 West Glen Park Ave.  
Griffith, IN 46319  
(219) 922-6218

5 North Heaton  
Knox, IN 46534  
(219) 772-6363

6916 Johnson Road  
LaPorte, IN 46350  
(219) 874-2939

1501 Wabash  
Michigan City, IN 46360  
(219) 874-8711

6375 U.S. Hwy. 6  
Portage, IN 46368  
(219) 762-3196

530 N. Hospital Dr.  
(P.O. Box 37)  
Winamac, IN 46996  
(219) 246-6601

24 Hour Referral Line

1-800-677-GOEL

9610150255 960930  
PDR ADOCK 03033947  
C PDR

RECEIVED  
OCT 02 1996  
REGION III

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CARDIOVASCULAR CONSULTATION AND EVALUATION; PREVENTIVE CARDIOLOGY; RISK FACTOR ASSESSMENT AND MODIFICATION; EXERCISE STRESS TESTING; 24 HR. MONITORING; COLOUR FLOW DOPPLER ECHOCARDIOGRAPHY; TRANS ESOPHAGEAL ECHOCARDIOGRAPHY; NON-INVASIVE PERIPHERAL VASCULAR EVALUATION; NUCLEAR CARDIOLOGY; CORONARY AND PERIPHERAL ANGIOGRAPHY; ANGIOPLASTY; ATHERECTOMY AND STENTS; ELECTROPHYSIOLOGY; PACEMAKER SURVEILLANCE AND IMPLANTATION; RADIO FREQUENCY CATHETER ABLATION; CARDIAC DEFIBRILLATOR IMPLANTATION.

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STATE OF ILLINOIS  
DEPARTMENT OF NUCLEAR SAFETY

## RADIOACTIVE MATERIAL LICENSE

DIVISION OF RADIOACTIVE MATERIALS  
1035 OUTER PARK DRIVE  
SPRINGFIELD, ILLINOIS 62704

Pursuant to the Illinois Radiation Protection Act and the rules and regulations in 32 Illinois Administrative Code promulgated thereunder, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess and transfer radioactive material(s) listed herein and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Illinois Department of Nuclear Safety now or hereafter in effect and to any conditions specified in the license. This document certifies that the licensee has registered the sources of radiation listed below in accordance with Section 2 of the Radiation Installations Act.

**LICENSEE**  
Neelam Bhatia, M.D.  
3235 Vollmer Road, Suite 103  
Flossmoor, Illinois 60422

**LICENSE NUMBER**  
IL-01935-01

**EXPIRATION DATE**  
February 29, 2000

**AMENDMENT NUMBER**  
0

Attention: Neelam Bhatia, M.D.  
Radiation Safety Officer

In accordance with application dated December 9, 1994, License Number IL-01935-01 is issued as follows:

ITEM	RADIOISOTOPE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Any in 32 Ill. Adm. Code 335.2040	Any calibration or reference source identified in 32 Ill. Adm. Code 335.2040.		As needed
B.	Any in 32 Ill. Adm. Code 335.3010	Any radiopharmaceutical identified in 32 Ill. Adm. Code 335.3010.		As needed
C.	Any in 32 Ill. Adm. Code 335.4010	Any radiopharmaceutical identified in 32 Ill. Adm. Code 335.4010, excluding gases.		As needed

AUTHORIZED USE:

- For use as calibration and reference sources.
- Any medical use identified in 32 Ill. Adm. Code 335.3010.
- Any medical use identified in 32 Ill. Adm. Code 335.4010.

CONDITIONS

- Radioactive material shall be used only at the licensee's facilities located at 3235 Vollmer Road, Suite 103, Flossmoor, Illinois in accordance with statements, representations and procedures listed in other conditions of this license.

\* uCi-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; Bq-Becquerel; TBq-Terabecquerel; g-gram; ug-microgram; kg-kilogram  
APPROVED BY: DATE PAGE OF PAGES

Joseph G. Klinger, Head of Licensing Section  
IL 425-0059

February 15, 1995

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STATE OF ILLINOIS  
DEPARTMENT OF NUCLEAR SAFETY  
**RADIOACTIVE MATERIAL LICENSE**

<b>LICENSEE</b> Deelam Bhatia, M.D.	<b>LICENSE NUMBER</b> IL-01935-01	<b>AMENDMENT NUMBER</b> 0	<b>EXPIRATION DATE</b> February 29, 2000
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1. The licensee may use the Calcorp, Inc. "Calichack" device or the Atomic Products Corp. "Lineator" device for linearity tests of their dose calibrator(s). Such tests shall be performed in strict accordance with the procedures contained in the device manufacturer's instruction manual. A copy of the appropriate device manufacturer's instruction manual shall be maintained at the licensee's facility if one of these devices is used.
2. The licensee is authorized to store waste containing, or comprised of, radioactive material with a physical half-life of less than 90 days for "decay-in-storage" before disposal with the following provisions:
  - A. Radioactive waste to be disposed of shall be held for decay a minimum of ten half-lives.
  - B. Pursuant to 32 Ill. Adm. Code 340.510(a) and (b), radiation surveys shall be performed prior to disposal of the waste to ensure that the waste's radioactivity cannot be distinguished from background radiation levels. The package/container surface shall be surveyed with a radiation detection survey instrument set on its most sensitive scale, with no interposed shielding between the detector and the waste, in a low background radiation environment. Records of monitoring shall be maintained to include: date of disposal; date placed in storage; manufacturer, model and serial number of the survey instrument used; background radiation levels; measured radiation levels; and identity of the individual performing the monitoring. All radiation labels shall be removed or obliterated.
  - C. Generator columns shall be segregated from their shields and other waste and monitored separately to ensure decay to background levels prior to disposal.
  - D. Nothing in this condition relieves the licensee from complying with other applicable federal, state, and local regulations governing any other toxic or hazardous property of these materials.

MSI-Microseries; MS1-Milliecurie; CI-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; Bq-Becquerel; n-Bq-nanobecquerel; p-Bq-picobecquerel; f-Bq-femto becquerel; a-Bq-atto becquerel

APPROVED BY:

DATE

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Joseph G. Klinger, Head of Licensing Section  
L 473-0039

February 15, 1995

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STATE OF ILLINOIS  
DEPARTMENT OF NUCLEAR SAFETY  
RADIOACTIVE MATERIAL LICENSE

NAME	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Dr. Bhatia, M.D.	IL-01935-01	0	February 29, 2000

Except as specifically provided otherwise by the license, the licensee shall possess and use radioactive material described in all schedules of this license in accordance with statements, representations and procedures contained in, referenced in, or enclosed with the documents listed below. The regulations contained in 32 Ill. Adm. Code: Chapter II, Subchapters b and d shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations. The most recent statements, representations and procedures listed below shall govern if they conflict with previously submitted documents.

- A. Application dated December 9, 1994.
- B. Letter with attachments dated February 6, 1995.

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APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ PAGE 4 of 4

Joseph G. Klinger, Head of Licensing Section  
L 473-0059

February 15, 1995

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# HEART & CIRCULATION CLINICS

208 EAST 86TH COURT  
MERRILLVILLE, IN 46410

PAY  
AMOUNT  
OF

*Four hundred forty*

TO THE ORDER OF

*United States Nuclear Regulatory Commission*

DOLLARS

DESCRIPTION

CHECK  
NUMBER

*2665*

EXPLANATION	AMOUNT

2665

20-5-740

CHECK  
AMOUNT

*446.00*

\$



NBD BANK, N.A.  
INDIANA NORTHWEST REGION MERRILLVILLE, INDIANA 46410

*[Signature]*

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MP