

555 North Duke Street
P.O. Box 3555
Lancaster, PA 17604-3555
Phone 717-290-5511
www.lha.org



LANCASTER GENERAL
HOSPITAL
Member Lancaster Health Alliance

RECEIVED
REGION I

200 SEP 15 PM 2:04

NMSBI

September 8, 2000

030-03151

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

RE: License # 37-11866-01

To Whom It May Concern:

Lancaster General Hospital would like to request amendment of its materials license in order to add new sources in an ADAC Vantage device for the purpose of attenuation correction of a gamma camera. The details are as follows:

- Radioactive Material
Isotope: Gadolinium-153 (Gd-153)
Physical Form: two (2) 300 milliCurie line sealed sources
Maximum amount to be possessed at any one time: one (1) Curie (to allow for source exchange)
Purpose: attenuation correction for SPECT images with a gamma camera; for purposes and materials approved by 35.200

2. Responsible Individuals:

Authorized Users

Authorized users for this material shall include anyone currently listed on our license as an authorized user for materials in 35.200; specifically, this includes the following individuals:

Robert M. Basarab, M.D.
John H. Garofola, M.D.
John W. Gareis, M.D.
Pamela J. Koch, M.D.

Lester Johnson, M.D.
Cindy Janesky, M.D.
Jennifer L. Kegel, M.D.
L. Scott Winner, M.D.

1 2 8 6 6 4

NMSS/RGN MATERIALS-002

3. Training:
All authorized users and individuals under their supervision who shall be permitted to use the material will be trained in its safe use by a qualified individual. This training shall include a review of the emergency procedure associated with the device.
4. Facilities and Equipment:
The Vantage device and its Gd-153 line sources shall only be used in the manner intended by the manufacturer. They shall be installed on a specific camera system by the manufacturer, and used only at Lancaster General Hospital, 555 N. Duke Street, Lancaster, Pennsylvania, 17604. Only the manufacturer shall be permitted to repair, install, or exchange sources on the Vantage device.
5. Emergency Procedures:
Please see Attachment A, which is proposed as our procedure in the case of an emergency.
6. Leak Testing and Inventory:
The sources in the Vantage Device shall be added to the current sealed source inventory at Lancaster General Hospital. Per NRC rules, the sources shall be wipe-tested for leakage every 6 months with a technique determined by the manufacturer and/or the RSO.
7. Additional Information:

Device Trade Name: Vantage

Device Manufacturer: ADAC Laboratories
540 Alder Drive
Milpitas, CA 95035
Contact: 408-321-9100 (RSO)

Source Distributors: North American Scientific (NAS)
7435 Greenbush Road
North Hollywood, CA 91605
Contact: 818-503-9201

Isotope Products Laboratories (IPL)
1800 N. Keystone Street
Burbank, CA 91504
Contact: 818-843-7000

Housing Device Reg. No.: CA0102D101S

Thank you for addressing this matter. If you would like to discuss this further, or need additional information, please contact the Radiation Safety Officer, Anthony Montagnese, at 717-290-4900, ext. 7419. Thank you.

Sincerely,

A handwritten signature in black ink that reads "Catherine Z. Baumgardner". The signature is written in a cursive style with a large initial "C".

Catherine Z. Baumgardner
Vice President of Service Excellence/Chairperson of Radiation Safety Committee

attachment

ATTACHMENT A

EMERGENCY PROCEDURE FOR THE VANTAGE DEVICE

If the shutters on the ADAC Vantage attenuation correction device become stuck in the OPEN position, initiate the following procedure immediately:

1. Approach the device from the rear (shielded portion), and attempt to manually close the device shutter by reaching over and moving the shutter lever to the CLOSED position.
2. If the shutters will not close manually, evacuate the patient and all other persons from the room. Lock the room or keep the room entrance under direct surveillance until assistance arrives.
3. Contact the Radiation Safety Officer.

: (FOR LFMS USE)
 : INFORMATION FROM LTS
 : -----
 :
 : Program Code: 02230
 : Status Code: 0
 : Fee Category: 7C 2B
 : Exp. Date: 20010531
 : Fee Comments: -----
 : Decom Fin Assur Reqd: N
 : ::::::::::::::::::::::::::::::

BETWEEN:
 License Fee Management Branch, ARM
 and
 Regional Licensing Sections

LICENSE FEE TRANSMITTAL

A. REGION **I**

1. APPLICATION ATTACHED
 Applicant/Licensee: LANCASTER GENERAL HOSPITAL
 Received Date: 20000915
 Docket No: 3003151
 Control No.: 128664
 License No.: 37-11866-01
 Action Type: Amendment

2. FEE ATTACHED
 Amount: -----
 Check No.: -----

3. COMMENTS

Signed M.A. Perkins
 Date 9/18/2000

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/))

1. Fee Category and Amount: -----

2. Correct Fee Paid. Application may be processed for:
 Amendment -----
 Renewal -----
 License -----

3. OTHER -----

Signed -----
 Date -----

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

9/8/2000, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 37-11866-01 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** 1 2 8 6 6 4.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.