



# CHARLTON MEMORIAL HOSPITAL

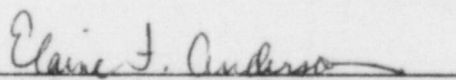
363 HIGHLAND AVENUE  
FALL RIVER, MASSACHUSETTS 02720  
(617) 679-3131

December 24, 1985

Nuclear Regulatory Commission  
Material Licensing Branch

TO: Whom It May Concern

This letter of authorization confirms that Charlton Memorial Hospital agrees to admit any patient from Robert N. Semine, M.D., of Roentgen Associates of Fall River, Inc., containing radioactive material in case such a patient suddenly becomes ill or sustains an injury after patient leaves his office.

  
Elaine F. Anderson, R.N.  
Executive Vice President/  
Chief Operating Officer

EFA/PBS

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REG1 LIC30  
20-16539-01 PDR

ROENTGEN ASSOCIATES OF FALL RIVER, INC.  
ROBERT N. SEMINE, M. D.

235 HANOVER STREET, FALL RIVER, MASSACHUSETTS 02720  
TELEPHONE 674-9485

Item 7. Not applicable. This is a Solo office practice with only one responsible physician and one registered nuclear medicine technologist.

Item 8. Please refer to the original application of license No. 20-05691-01 of March 20, 1967.

Item 12. Personnel training program.

We employ one registered Nuclear Medicine Technologist who performs the daily nuclear activities under the direction of the license.

All Personnel: Technical and Clerical are aware of the locations where the isotopes are kept and stored.

A copy of "Notice to Employees" 10 CFR part 19 and 20 is posted in the scanning room.

The results of the badges readings appearing monthly are communicated to the Radiologic Technologists as soon as they are received.

The Radiologic Technologists are requested to report any doubtful conditions at once.

Item 13. The following radioactive materials are ordered and received in the office:

1. Technetium 99m pertechnetate and technetium 99m Sulphur Colloid are ordered from Gamma Diagnostic Laboratories Inc. (Attleboro Falls) on a regular basis and are delivered overnight PRECALIBRATED to our office where they are deposited in a locked metallic box built-in the outside wall to be recovered from the inside in the morning.

2. The packages are received and opened by the licensee (Robert N. Semine, M.D.) or the Nuclear Medicine Technologist and are either calibrated and injected early in the morning usually between 8:30 and 9:30 AM or stored in a locked metallic cabinet (See diagram).

Since no security personnel received any radioactive material the procedures mentioned in appendix E do not apply.

ITEMS 7.8.12.13

*Robert N. Semine M.D.*

Item 14. Procedures for safely opening packages containing radioactive material.

The packages delivered by Gamma Diagnostic Laboratories Inc. contain from 110 to 140 millicuries of Technetium 99m. The procedure is as follows:

1. Packages are inspected for wetness, distortion, etc.
2. After wearing gloves the outer package is opened and the package slip checked for the requested amount of radioactive substance to be delivered. The inner containers of Technetium 99m are then removed and the empty outer package inspected and surveyed for contamination in which case the laboratory (Gamma Diagnostic is immediately notified).
3. A wipe test of these containers is done with a moist sponge.
4. Radiation labels are obliterated from the outer containers before they are discarded in the trash.
5. After the end of calibration the counter is surveyed for any spillage.

Item 17. Area survey procedures: Laboratory areas (counter, scanning table, threshold) are surveyed daily with low-range thin window G.M. survey meter and decontaminated if necessary. A permanent record is kept of these surveys including the date of the reading.

ITEMS 14.17

*Robert N. Semine M.D.*



Program for maintaining occupational Radiation Exposures at ALARA

Robert N. Semine, M.D.

Date: 03-06-86

This is a solo practice of a radiology and nuclear medicine office with the licensee acting as radiation safety officer. Four types of scans are presently performed namely, brain, liver, bone and thyroid. We are therefore markedly limited in our implementation of ALARA and are already using the accepted doses of radionuclides during the performance of the above activities with hardly any possibility for changes except if a new product appears in which case we will follow the NRC guidelines.

In case we find we can reduce a dose given to a patient without interfering with the quality of the test we will definitely do so.

Radiation safety officer.

The film badges are reviewed monthly, quarterly and annually. None of the technical staff, however handles any radioactive material with the exception of the registered nuclear medicine technologist. Radiation levels in unrestricted and restricted areas will be reviewed quarterly to determine that they were at ALARA levels.

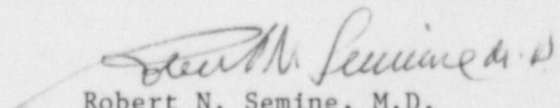
The user (also the RSO) will keep abreast of all new information provided by NRC concerning the ALARA philosophy.

The RSO (also the user) will investigate all known instances of deviation from good ALARA practices, determine the cause if possible and change the program accordingly.

The investigational levels listed in table I will be adopted and will be recorded on Form NRC-5 quarterly.

- a. If less than level I, no further action will be taken.
- b. If equal to or greater than level I but less than level II, no action will be taken.
- c. If greater than level II, the causes for such a level will be investigated and the actions taken reported in a written report and a copy made available to NRC inspectors for review at the time of the next inspection.

I hereby certify that this office has implemented the ALARA program set forth above.

  
Robert N. Semine, M.D.  
235 Hanover Street  
Fall River, Ma. 02720