



14519 DETROIT AVENUE LAKEWOOD, OHIO 44107 PHONE (216) 521-4200

Amend. 19

June 12, 1973

U. S. Atomic Energy Commission
Lakewood Branch
Division of Materials Licensing
14519 St. Elmo Avenue
Lakewood, Maryland

Attention: Mr. John Bowyer

RE: Amendment to License No. 34-01197-01

Gentlemen:

Please amend our current license No. 34-01197-01 to include Mallinckrodt's Ultra-TechneKov FM, catalog numbers 100 through 104, containing fission product parent Mo99. We will require a possession limit of 1000 millicuries.

Every elution will be assayed for Tc99m activity and Mo99 breakthrough utilizing a Padx Mark V Isotope Dose Calibrator. Eluates containing more than one microcurie of Mo99 per one millicurie of Tc99m or doses where the patient would receive more than 5 microcuries of Mo99 will not be used.

Mallinckrodt's Sight Glass Elution Shield will be used to elute the generator and store the Tc99m. A syringe shield is used during patient administration. All personnel involved in generator elution and the administration of Tc99m are monitored monthly with whole body and finger badges from R. S. Landauer & Co. to evaluate exposure to the whole body and extremities. Attached is the procedure followed in case of accidents or spills involving radioactive materials.

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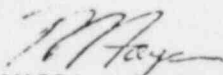
38469

Lakewood Hospital, Lakewood, Ohio
June 12, 1973

Page 2

Radiation fields immediately surrounding the generator and in the nearby environs are periodically surveyed with our Model No. 2035 Victoreen Survey Meter. Said meter is capable of measuring up to 1000 roentgens per hour.

Truly yours,


William J. Fayen, M.D.
Director, Nuclear Medicine

WJT:mlf
Encl.

38469

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Regulations

1. Whole body monitoring devices shall be worn by all personnel in controlled areas. Wrist or finger badges shall be worn by all personnel involved in generator elution and the administration of patient doses.
2. Pipetting by mouth is prohibited.
3. All personnel shall wear disposable gloves when involved in dose preparation or the handling of unsealed sources of radioactivity.
4. Dose preparation and handling of unsealed radioactivity shall take place only in designated areas, and must be protected by disposable absorbent pads.
5. No eating, drinking or smoking in areas where unsealed radioactive materials are handled.

Emergency Procedures

1. Clear the area. Notify all persons not involved in the spill to vacate the room.
2. Prevent dispersal. Cover the spill with absorbent pads, but do not attempt to clean it up. Confine the movement of all personnel potentially contaminated to prevent the spread.
3. Shield the source. If possible, the spill should be shielded, but only if it can be done without further contamination or without significantly increasing your radiation exposure.
4. Close the room. Vacate and lock the room to prevent entry.
5. Call for help. Notify the Radiation Safety Officer immediately. Telephone No. 521-4200, Ext. 400 *
6. Personnel decontamination. Contaminated clothing should be removed and stored for further evaluation by the Radiation Safety Officer. If the spill is on the skin, flush thoroughly and then wash with mild soap and lukewarm water.

Minor Spills

1. Notify. Notify persons in the area that a spill has occurred.
2. Prevent the spread. Cover the spill with absorbent paper.

* Deleted

Lakewood Hospital
Lakewood, Ohio
June 12, 1973

Page 4

3. Clean up. Carefully fold the absorbent paper and pad; insert into a plastic bag and dispose of in the radioactive waste container. Include all other contaminated materials such as disposable gloves.
4. Survey. With a GM survey meter, check the area around the spill, your hands and clothing for contamination.
5. Report. Report incident to the Radiation Safety Officer.