



DEPARTMENT OF THE ARMY
FITZSIMONS GENERAL HOSPITAL
DENVER, COLORADO 80240

3359

MEDEO-X

9 November 1972

SUBJECT: Control and Evaluation of Hand Exposure: Technetium 99m
Labeled Albumin Microspheres

Chief, Materials Branch
Division of Materials Licensing
U. S. Atomic Energy Commission
Washington, D.C. 20845

1. Reference is made to your letter L:MB:JEB (29180) dated 7 August 1972 received this headquarters 2 November 1972.

2. In response to paragraph 6 of the above referenced letter, the following techniques for control and evaluation of radiation exposure to personnel during preparation of the radiopharmaceutical Technetium 99m labeled albumin microspheres will be followed:

a. All personnel will be provided instruction in the hazards involved in the preparation of the labeled pharmaceutical by the Radiation Protection Officer with particular emphasis on the use of shielding with the vial, syringe in the work area.

b. Personnel responsible for the preparation of the radiopharmaceutical will be supervised and routinely observed by the Chief, Nuclear Medicine Service and the RPO to insure compliance with prescribed procedures.

c. Personnel preparing the radiopharmaceutical will wear appropriate uniforms and gloves during preparation. Each hand will be monitored by wrist film badges for exposure during preparation and administration. Initial evaluation of the hazard will be made using TLD dosimetry (the Eberline TLR-5 System) followed by periodic checks with TLD to support film badge records.

3. If additional information is required or if that provided above does not meet your requirements, please inform me by return mail. This headquarters is indeed eager to have the amendment to AEC Byproduct Material

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FITZSIMONS GENERAL HOSPITAL

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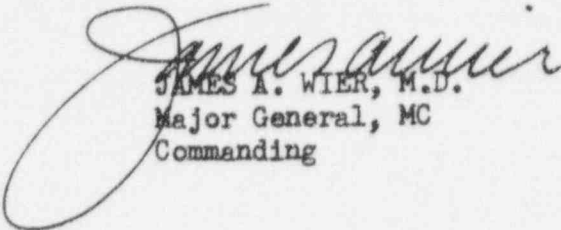
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License 05-00046-13 accomplished so that use of the microspheres can begin within the Nuclear Medicine Service.



JAMES A. WIER, M.D.
Major General, MC
Commanding

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