


<b>Name of Policy:</b> Receiving Radiopharmaceuticals <b>Policy Number:</b> 3364-106-N13 <b>Approving Officer:</b> Chief Operating Officer <b>Responsible Agent:</b> Director of Cardiovascular Services, Medical Director, Non-Invasive Cardiac Imaging <b>Scope:</b> University of Toledo Medical Center		 <b>Effective date:</b> 3/24/2025 <b>Original effective date:</b> 12/1992	
Key words: Radiation, Nuclear Testing, Stress Test, Radiopharmaceuticals, Authorization			
<input type="checkbox"/>	New policy proposal	<input type="checkbox"/>	Minor/technical revision of existing policy
<input type="checkbox"/>	Major revision of existing policy	<input checked="" type="checkbox"/>	Reaffirmation of existing policy

**(A) Policy Statement**

Only a Licensed, Registered Nuclear Medicine Technologist is authorized to receive radiopharmaceuticals from the appropriate radiopharmacy in the Heart Station Nuclear Cardiology Hot Lab.

**(B) Purpose of Policy**

The licensed, registered Nuclear Medicine Technologist is the only person authorized to receive radiopharmaceuticals. The purpose is to ensure that proper procedures are followed to reduce any unnecessary radiation exposure to patients, visitors, and personnel, and to assure the prevention of unauthorized access to the Hot Lab. Additionally, this policy will ensure that packages containing radiopharmaceuticals received either during or before normal working hours are handled in a timely, secure, and safe manner.

**(C) Procedure**

- Radiopharmacy delivery personnel are authorized to access the Heart Station Nuclear Cardiology Hot Lab (Room 1162A) in conformity with hospital policy and procedures.
- All radiopharmaceutical companies must be registered with the University of Toledo Medical Center and their delivery personnel must carry a photo identification badge indicating their name and the Radiopharmacy they work for in a conspicuous manner. A list of the authorized personnel from each Radiopharmacy will be provided to verify their authorization to deliver radiopharmaceuticals to the Heart Station, Nuclear Cardiology Department and access the Heart Station Hot Lab. An authorized personnel list and photo identification sheet is posted in the Heart Station Hot Lab (Room 1162A).
- These records will be maintained and updated with the Radiation Safety department and the UT Security Office, who will control proximity card access records and access authorizations. Any changes to these lists will be submitted to the UTMC Heart Station Nuclear Cardiology Department immediately.
- Each company's delivery personnel will be assigned a proximity card to allow access to the appropriate Hot Lab (Heart Station Nuclear Cardiology Hot Lab, Room #1162A, 1<sup>st</sup> Floor, Hospital Bldg., Heart and Vascular Center). If a proximity card is lost or stolen, the supplier is to notify the department immediately to deactivate and issue a new card.
- During normal working hours, if delivery personnel do not possess a proximity card upon arrival, but do have a valid identification badge, the Nuclear Medicine Technologist will escort the individual into the

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Hot Lab and maintain observation on the person 100% of the time until they leave the area. At no time, will anyone be allowed access without proper identification. If the person fails to produce appropriate identification, the Nuclear Medicine Technologist should call the radiopharmacy for verification and inform Radiation Safety or Campus Security before allowing observed entry into the Hot Lab.

6. Upon entering the Hot Lab, delivery personnel will place the package where indicated.
7. The Hot Lab door will be secured after the delivery of the package containing radiopharmaceuticals.
8. Radiopharmaceuticals will be delivered to the Heart Station Nuclear Cardiology Hot Lab, 1<sup>st</sup> Floor of Hospital Bldg., Heart and Vascular Center, and will be in lead lined containers or "PIGS," which are carried in "RADIOACTIVE" labeled cases, indicating the name and activity of the isotope(s).
9. During normal working hours, the Nuclear Medicine Technologist will inspect the package and visually check it for damage and leakage. If delivery is made before normal working hours, the delivery personnel will contact the Chief, Nuclear Medicine Technologist if the package appears wet or damaged in any way. The delivery personnel will remain in the hospital until it has been determined that neither he nor she has been contaminated.
10. The package will be surveyed at the surface and at 1 meter with a Geiger-Mueller Tube (Geiger Counter) and wipe tested for removable contamination within three hours of delivery/receipt or start of the next business day.
11. All survey and wipe test results will be recorded in the appropriate log and/or computer file. Any results above the action limit (surface survey 0.5 mR/Hr. – wipe 200 dpm /100 cm<sup>2</sup>) will immediately be reported to the Radiation Safety Officer and the radiopharmacy of origin (Cardinal Health).
12. The shipping invoice will be compared to the unit dose case contents to make sure they match.

<p>Approved by:</p> <p>/s/</p> <hr/> <p>Todd Korzec, RN, BSN Director, Cardiovascular Services</p> <p>1/31/2025</p> <hr/> <p>Date</p> <p>/s/</p> <hr/> <p>Samer Khouri, MD Medical Director, Non-Invasive Cardiac Imaging</p> <p>3/7/2025</p> <hr/> <p>Date</p> <p>/s/</p> <hr/> <p>Christine Stesney-Ridenour, FACHE Chief Operating Officer</p> <p>3/24/2025</p> <hr/> <p>Date</p> <p><i>Review/Revision Completed by:</i> <i>Director, Cardiovascular Services</i></p>	<p><b>Policies Superseded by This Policy:</b></p> <ul style="list-style-type: none"><li>• <i>None</i></li></ul> <p>Initial effective date: 12/1992</p> <p>Review/Revision Date:</p> <p>11/91 1/92 8/92 5/93 12/95 7/97 8/99 7/01 5/04 5/07 8/10 6/13 3/16 3/19 2/22 3/24/2025</p> <p>Next review date: 3/24/2028</p>
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