


Name of Policy: <u>Administration of Radionuclides</u> Policy Number: 3364-106-N02 Department: Heart Station Approving Officer: Chief Operating Officer - UTMC Responsible Agent: Director Cardiovascular Services Scope: University of Toledo Medical Center Heart Station	 Effective Date: 2/1/2022 Initial Effective Date: 7/1/1990
<input type="checkbox"/> New policy proposal <input type="checkbox"/> Major revision of existing policy	<input type="checkbox"/> Minor/technical revision of existing policy <input checked="" type="checkbox"/> Reaffirmation of existing policy

(A) Policy Statement

The Licensed, Registered Nuclear Medicine Technologist will inject all Radiopharmaceuticals. Prior to injection, the technologist will check the dose in the dose calibrator and record the amount of activity. Verify that there is a written order by a physician for the specific procedure, verify that there is a proper diagnosis for the procedure and verify the identification of the patient. Verify pregnancy or breast feeding status. Explain the procedure to the patient’s family, or guardian and obtain signed consent to perform the procedure.

(B) Purpose of Policy

The policy establishes the authorization and proper procedure to administer Radiopharmaceuticals at UTMC.

(C) Procedure

1. Verify that there is a physician’s written order, verify that the proper procedure has been ordered for the patient’s diagnosis, verify pregnancy or breast feeding status, and verify the patient’s identification with the patient requisition form. Confirm the patient’s identity using two patient identifiers. Verify the patient’s name, birth date, and medical record number against the test requisition form and for inpatients, against their hospital I.D. band. This insures that the correct procedure is performed on the correct patient, thus eliminating unnecessary radiation exposure to patients and personnel.
2. Explain the procedure to the patient, family, and /or guardian and obtain a signed consent. If the patient is unable to be educated and there are no family members or guardians available, then the reason should be recorded on the worksheet. This provides the patient the opportunity to refuse the procedure if they so choose. The ordering physician should be notified as soon as possible if the patient refuses the procedure. Female patients who are pregnant or who think they may be pregnant will be informed of the radiation risk to the fetus and the procedure will not be performed until the ordering physician is notified. Both the patient and the physician must give approval for the procedure to be performed. Patients who are breastfeeding will be instructed to stop and will be given a date as to when they can resume breastfeeding.
3. A physician should be available in the event treatment is needed for an adverse reaction or incident, although this is a highly infrequent occurrence. Emergency medication and equipment are available on “code carts” located in the Heart and Vascular Center.
4. All Radiopharmaceuticals are delivered as sealed UNIT DOSES.
5. All nuclear injections are performed using radiation safety precautions. Syringe shields must be used and protective clothing (lab coats, gloves) must be worn. Universal precautions and sterile techniques must be followed.

