### Nuclear Medicine Injection Procedure

**Name of Policy:** Nuclear Medicine Injection Procedure  
**Policy Number:** 3364-135-056  
**Department:** Radiology  
**Approving Officer:** Chief Executive Officer - UTMC  
Interim Chairman & Professor, Radiology  
**Responsible Agent:** Director, Radiology  
**Effective Date:** 8/1/2018  
**Initial Effective Date:** 1/1/1980  

<table>
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<tr>
<th>New policy proposal</th>
<th>Major revision of existing policy</th>
<th>Minor/technical revision of existing policy</th>
<th>Reaffirmation of existing policy</th>
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#### (A) Policy Statement

Only registered or registry eligible technologists who are approved will inject radiopharmaceuticals.

#### (B) Purpose of Policy

Prior to injection, the technologist will check the dose on a dose calibrator.

#### (C) Procedure

Prior to injection, the technologist will check 1) the dose on a dose calibrator, 2) perform two patient identifiers and 3) verify the order and appropriateness to verify that the proper radiopharmaceutical is to be administered.

**Approved Technologists**

- Alex Reiner, BS, CNMT, PET / Chief Technologist, Nuclear Medicine/PET/CT  
- Barbara Valentine, CNMT, RT, Chief Technologist, Heart Station  
- J. D. McCoy, RT, Staff Technologist, Nuclear Medicine Section  
- Roxanne Easterling, CNMT, RT, Nuclear Med Technologist, Heart Station  
- Elizabeth Pittman, CNMT  
- Amy Ryan, CNMT

#### (D) DOSE RANGE

Radiopharmaceutical doses must be within the dose range of Plus or Minus 10% of the prescribed dose* or in the dose range as determined by Dr. Elsamaloty.  
When the determined dose is not within this range, it must be authorized by a Radiologist signature on the Radiopharmaceutical Dose record slip.

*The authorized prescribed doses and dose ranges can be found in the Nuclear Medicine Procedure Manual and on the Z drive. See attached.