

SUNY DOWNSTATE MEDICAL CENTER

UNIVERSITY HOSPITAL OF BROOKLYN
POLICY AND PROCEDURE

No. CT- RAD - 8

Subject: PATIENT SHIELDING DURING
CT EXAMINATION

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Committee Approval:
Executive Performance Improvement
Council(EPIC)
Medical Executive Committee (MEC)

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Original Issue Date: 9/2003

Supersedes: 12/2016

Effective Date: 10/2018

The JC Standards: EC. 02.02.01(ep.3 & 7) The hospital has written procedures, including the use of precautions and personal protective equipment, to follow in response to hazardous material and waste spills or exposures

Related Policies: (RAD-06) Radiology Patient Safety

**Issued by: Radiology Department /
Regulatory Affairs**

I. PURPOSE

To reduce patient exposure during Computer Tomography - CT exams by utilizing protective shields

II. DEFINITION:

Protective Shielding Devices: Devices that contain lead and prevent ionizing radiation from striking anatomical areas, which are not of interest or diagnostic value.

III. POLICY

All patients will be shielded during Computer Tomography - CT Examination to the extent that the shielding does not interfere with the anatomy of interest. It is the intent of DMC to minimize Radiation exposure to its patient population. The Radiology department will adhere to the principle "ALARA"

CT-8 PATIENT SHIELDING DURING CT EXAMINATION

IV. RESPONSIBILITIES

Technologist, Attending Radiologist, Radiology Resident

V. PROCEDURE/GUIDELINES

The Computer Tomography - CT Technologist will utilize lead shielding to cover anatomical areas that may fall within the exposure field which are not the anatomy of interest.

The technologist will also employ breast shielding for women undergoing CT examination providing the shielding doses not interfere with the anatomy of interest.

VI. ATTACHMENT: NONE

VII. REFERENCES:

The Joint Commission Standards

| Date Review | Revision Required (Check One) | | Responsible Staff Name and Title |
|-------------|----------------------------------|------|--|
| 9/2003 | Yes | | James Shanahan, Director Radiology Department |
| 12/2016 | (Yes) | | Vincent Monte Assoc. Director Radiology Department |
| 10/2018 | Yes | (No) | Vincent Monte Assoc. Director Radiology Department |