

 <b>University Health™</b>	Policy #: Rad Proc 13.13.22
SUBJECT: CT Low Dose – Lung Screening Chest 5.22	Effective: 04/3/2017 Reviewed:
APPROVED BY: <b>Body Imaging Medical Director</b>	Page 1 of 1

**Purpose:** To provide computed tomography staff with the required protocol for performing CT Low Dose – Lung Screening Chest. **CTDI must be = or < 3.**

**Scope:** All adult patients 18 years and older.

**Clinical Indication:** Follow up pulmonary nodules

**Patient Preparation:** None

**Orientation:** Feet first

**Breathing:** Inspiration

**Oral Contrast:** None

**IV Contrast per Weight:** None

**Coverage:** Lung apices through lung bases

**Anatomic Reference:** Sternal notch

**Scan Delay:** N/A

**Group 1:** Lung apices through lung bases

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kVp	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 0.5 sec Helical Full	2.5 13.75 1.375:1	2.5	Large	100	130  (2.98CTDI)	No	Standard Bone
VCT 0.8 sec Helical Full	2.5 39.37 1.375:1	2.5	Large	100	115  (2.95CTDI)	No	Standard Bone
AS 64 0.5 sec Helical	2 1	2	380	100	Eff mAs 67 (2.99CTDI)	No	Standard Bone

**Comments:** Manual technique 80 mAs: **CTDI must be = or < 3**

**Algorithm:** Standard and bone. Show recon 1 Standard 2 Bone 3 Standard

**Network:** Recon 1 and 2 to PACS.

**Recon 3 (1.25) auto transmit AWSERV**