

CTDI: 0-4yr: ≤ 7mGy 5-16: ≤10mGy

PT Prep:

- **IV contrast at the discretion of the Radiologist.**
 - 2cc per kg of 300 mg iodine/non-ionic @ 1-2ml/s, not to exceed 100ml unless otherwise determined by Radiologist.

PT Positioning:

- **Both arms should be raised above head for optimal image quality.**
- **If PT cannot raise one arm, one arm down is preferred over both arms down.**
- **If both arms are unable to be raised, this information should be documented in tech notes for the radiologist.**

Setup: Supine, AP/LAT scout from above apices through the adrenal glands/mid L1.

DFOV: Appropriate for patient’s body habitus.

Scan Parameters:

1. 50 second delay from start of injection of contrast
2. Scan from above the apices through the adrenal glands

PACS SERIES

1. SCOUT
2. ST AX 3X3
3. LUNG AX 3X3
4. ST CORONAL 3X3
5. ST SAGITTAL 3X3
6. DOSE REPORT

Acquisition Parameters

<u>Pedi < 110lbs</u>		<u>Pedi > 110lbs</u>	
Scan Type	Spiral	Scan Type	Spiral
Pitch	1.4	Pitch	1.2
Detector Configuration	32 x 1.2	Detector Configuration	128 x 0.6
Slice Thickness	3.0	Slice Thickness	3.0
Rotation Time	0.5	Rotation Time	0.5
Est. Scan Time	1.26	Est. Scan Time	3.98
Care Dose	on	Care Dose	on
Care kV	on	Care kV	on
Dose Optimization	7	Dose Optimization	7
Quality Ref mAs/ Ref kV	50/120	Quality Ref mAs/Ref kV	66/120

Reconstruction Parameters

Recon 1 Axial Soft Tissue	
Kernel	Br38
ADMIRE	2
Window	Mediastinum 350 50
Slice Thickness	3.0 x 3.0
Recon 2 Axial Lung	
Kernel	Br59
ADMIRE	1
Window	Baby Lung 1200 -600
Slice Thickness	3.0 x 3.0
Recon 3 Coronal ST	Recon 4 Sagittal ST
Kernel: Br38	Kernel: Br38
ADMIRE: 2	ADMIRE: 2
Window: Mediastinum 350 50	Window: Mediastinum 350 50
Slice Thickness: 3.0 x 3.0	Slice Thickness: 3.0 x 3.0
Recon 6 Reformat if 3D for ribs are requested	
Kernel	Br38
ADMIRE	3
Window	Mediastinum 350 50
Slice Thickness	1.5 x 0.6 or 1.0 x 0.7