

**CTDI: 0-4yr: ≤ 7mGy 5-16: ≤10mGy**

**PT Prep:**

- Oral prep type, volume and time will be determined by the diagnosis that is presented.
- 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 scout from above diaphragm through the symphysis pubis (iliac crest for ABD only)**

**DFOV: Appropriate for the patient's body habitus.**

**Scan Parameters:**

**Pre-Contrast (if performed)**

1. Scan from above area of concern through the area of interest.

**Portal Venous Phase:**

1. 60 second delay from start of injection of contrast
2. Scan from above diaphragm through the symphysis pubis (iliac crest for ABD only)

**PACS SERIES**

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

**01/17/2025 \*\*NEW trauma procedure**

**FOR TRAUMATIC INJURIES- SPLIT BOLUS INJECTION**

**Scan Parameters:**

1. Scout

**INJECT 25% OF TOTAL CONTRAST BY WEIGHT**

2. Delay 4 minutes from start of injection of contrast

**INJECT 75% OF TOTAL CONTRAST BY WEIGHT**

3. Scan from above area of concern through the area of interest.

## Acquisition Parameters

<u>Pedi &lt; 110lbs</u>		<u>Pedi &gt; 110lbs</u>	
Scan Type	Spiral	Scan Type	Spiral
Pitch	1.4	Pitch	0.6
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	2.49	Est. Scan Time	5.15
Care Dose/Care kV	on/on	Care Dose/Care kV	on/on
Dose Optimization	7	Dose Optimization	7
Quality Ref mAs/ Ref kV	209/100	Quality Ref mAs/Ref kV	147/120

## Reconstruction Parameters

<b>Recon 1 Axial Soft Tissue</b>	
Kernel	Br38
ADMIRE	3
Window	Abdomen 450 35
Slice Thickness	3.0 x 3.0
<b>Recon 2 Axial Lung</b>	
Kernel	Br59
ADMIRE	0
Window	Baby Lung 1200 -600
Slice Thickness	3.0 x 3.0
<b>Recon 3 Coronal ST</b>	<b>Recon 4 Sagittal ST</b>
Kernel: Br38	Kernel: Br38
ADMIRE: 3	ADMIRE: 3
Window: Abdomen 450 35	Window: Abdomen 450 35
Slice Thickness: 3.0 x 3.0	Slice Thickness: 3.0 x 3.0