

CTDI: 0-4yr: ≤ 15mGy 5-16: ≤25mGy

**PT Positioning:**

- If possible, tilt the patient’s head so that a line connecting the lateral canthus of the eye and the EAC is perpendicular to the CT tabletop.
- IV contrast:
  - 2cc per kg of 300 mg (OMNI 350 if over 50 lbs), not to exceed 100ml unless ok by radiologist

**Scan Parameters:**

- Smart Prep:
  - CTA: Place ROI over the aortic arch, triggering at 60HU
  - CTV: no smart prep needed, inject at angio flow rate and scan 45 sec into bolus
- Start scan at bottom of skull base and scan through top of head

**STEALTH:**

- Start scan from the bottom of the top teeth through the top of the head (include entire nose)

Setup: LAT scout from below the mandible through the top of the head DFOV: 25 cm

**PACS SERIES**

1. SCOUT & DOSE REPORT
2. ST AXIAL 1X1
3. MIP COR 1X1
4. MIP SAG 1X1
5. ST stealth axial 1x1 (if needed)
6. ST stealth sag 1x1 (if needed)

**Acquisition Parameters**

<u>Pedi 0-6 yr old</u>		<u>Pedi 7-14 yrs</u>	
Scan Type	Spiral	Scan Type	Spiral
Pitch	1.4	Pitch	1.2
Detector Configuration	128 x 0.6	Detector Configuration	128 x 0.6
Slice Thickness	1.0	Slice Thickness	1.0
Rotation Time	0.5	Rotation Time	.28
Care Dose	on	Care Dose	on
Care kV	on	Care kV	on
Dose Optimization	11	Dose Optimization	11
Quality Ref mAs	157	Quality Ref mAs	84
Ref kV	80	Ref kV	120

## Reconstruction Parameters

<b>Recon 1 Soft Tissue Axial</b>	
<b>Kernel</b>	<b>Hr38</b>
<b>ADMIRE</b>	<b>3</b>
<b>Window</b>	<b>Larynx 250 50</b>
<b>Slice Thickness</b>	<b>1.0 x 1.0</b>
<b>Recon 2 MIP Coronal</b>	
<b>Kernel</b>	<b>Hv38</b>
<b>ADMIRE</b>	<b>3</b>
<b>Window</b>	<b>CT Angio 700 80</b>
<b>Slice Thickness</b>	<b>1.0 x 1.0</b>
<b>Recon 3 MIP Sagittal</b>	
<b>Kernel</b>	<b>Hv38</b>
<b>ADMIRE</b>	<b>3</b>
<b>Window</b>	<b>CT Angio 700 80</b>
<b>Slice Thickness</b>	<b>1.0 x 1.0</b>