

# PEDIATRIC ABD/PEL GE REVOLUTION 256

CTDI: 0-4yr: ≤ 15mGy 5-16: ≤30mGy

**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 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

**Delayed Imaging (if performed)**

1. 5 minute delay
2. Scan from above the area of concern through the area of concern.

**PACS SERIES**

1. SCOUT
2. ST AX
3. LUNG AX
4. ST CORONAL 2X2
5. ST SAGITTAL 2X2
6. DOSE REPORT

**Acquisition Parameters**

Scan Type	HELICAL	HELICAL	HELICAL	HELICAL
PT Weight (lbs)	1-20.9	20.9-49.6	49.6-89.1	89.1-199.1
Pitch and Speed (mm/rot)	0.984:1 (140.63 mm/s)	0.992:1 (283.48mm/s)	0.992:1 (226.79 mm/s)	0.992:1 (79.38mm/s)
Detector Coverage	40	80	80	80
Thick	2.5	2.5	2.5	2.5
Speed	0.28	0.28	0.35	1.00
Noise Index	10.6	9.3	11.3	12.3

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<b>PT BODY SIZE</b>	1-20.9 lbs	20.9-49.6 lbs	49.6-89.1 lbs	89.1-199.1 lbs
<b>Scan FOV</b>	PED BODY	SM BODY	MED BODY	LG BODY
<b>Smart mA Range</b>	10-525	10-600	10-550	10-550
<b>kVp *Kv Assist*</b>	80	100*	120*	120*

### Reconstruction Parameters

<b>RECON 1(Soft Tissue)</b>	
Algorithm	Std
ASIR	50%
Recon Type	Helical Full
Slice Thickness	2.5
Increment	2.5
<b>RECON 2 (Lung)</b>	
Algorithm	Lung
ASIR	50%
Recon Type	Helical Full
Slice Thickness	2.5
Increment	2.5
<b>RECON 3 (thins for Reformats)</b>	
Algorithm	STND
ASIR	50%
Recon Type	Full
Slice Thickness	0.625mm
Increment	0.3125mm