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 3X3**
5. **ST SAGITTAL 3X3**
6. **DOSE REPORT**

Imaging Protocol – CT Pedi Abd_Pel GE Revolution 256

PROTOCOL REVIEW 2025 01/dtf
Approval Imaging Council January 2025

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

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

Reconstruction Parameters

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