# Child Pectus Excavatum

Siemens go.All

| Application Examples: evaluate thoracic bony anatomy |
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|---|---|
| Oral Contrast | No |
| IV Contrast / Volume | No |
| Breath Hold | Inspiration |

*Technical Factors*

| | |
|---|---|
| Detector Collimator | Acq 32 x 0.7mm |
| X-Care | On |
| Care kV | Off/ 100 kV |
| Care Dose 4D ≤ 100 lbs | Off / 30 mAs |
| Care Dose 4D > 100 lbs | Off / 60 mAs |
| Rotation Time | 0.33 |
| Pitch | 0.6 |
| Typical CTDIvol | |

Topogram: Lateral, AP, 512 mm

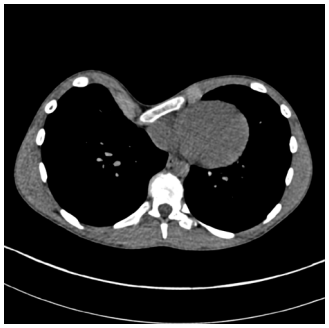
| Chest | Recon Type | Width / Increment | Algorithm | Safire | Window | FOV | Series Description | Networking | Post Processing |
|---|---|---|---|---|---|---|---|---|---|
| **Recon 1** | Axial | 5 x 5 | Br40 | 2 | Mediastinum | - | AXIAL | PACS | - |
| **Recon 2** | Axial | 3 x 3 | Br64 | 2 | Lung | - | AXIAL LUNG | PACS | - |
| **Recon 3** | 3D:COR | 3 x 3 | Br40 | 2 | Mediastinum | - | COR | PACS | COR MPR |
| **Recon 4** | 3D:SAG | 3 x 3 | Br40 | 2 | Mediastinum | - | SAG | PACS | SAG MPR |
| **Recon 5** | Axial | 0.6 x 0.6 | Br36 | 2 | Mediastinum | - | AXIAL 0.6 STND | TeraRecon | - |
| **Recon 6** | 3D VRT | Radial Ranges | Br36 | 2 | Mediastinum | - | VRT | PACS | - |

This protocol is used to assess for pectus excavatum which is a deformity of the anterior wall of the chest involving several ribs and the sternum. The abnormality produces a caved-in or sunken appearance of the chest.

**Patient Position:** Position patient supine with arms above head and lower legs supported.

**Scan Range:** Entire bony thoracic anatomy.

**Recons and Reformations:** Coronal MPR and 3D rotational surface display (see 3D protocol manual).



Cross sectional scan of chest with pectus excavatum