

**Pectus Excavatum**

Siemens go.All

Application Examples: evaluate thoracic bony anatomy

Oral Contrast No

IV Contrast / Volume No

Breath Hold Full Expiration

*Technical Factors*

|                         |                 |
|-------------------------|-----------------|
| Detector Collimator     | Acq 32 X 0.7 mm |
| Care kV                 | On / 120 kV     |
| Care Dose 4D            | On / 60 mAs     |
| Rotation Time (seconds) | 0.5             |
| Pitch                   | 0.6             |
| Typical CTDIvol         | 5.5 mGy ± 50%   |

Topogram: Lateral &amp; AP, 512 mm

| Chest          | Recon Type   | Width / Increment | Algorithm | Safire | Window      | Series Description | Networking | Post Processing |
|----------------|--------------|-------------------|-----------|--------|-------------|--------------------|------------|-----------------|
| <b>Recon 1</b> | Axial        | 5 x 5             | Br36      | 2      | Mediastinum | AXIAL              | PACS       | None            |
| <b>Recon 2</b> | Axial        | 2 x 2             | Br64      | 2      | Lung        | AXIAL LUNG         | PACS       | None            |
| <b>Recon 3</b> | 3D:COR       | 3 x 3             | Br36      | 2      | Mediastinum | COR                | PACS       | Coronal MPR     |
| <b>Recon 4</b> | 3D:SAG       | 3 x 3             | Br36      | 2      | Mediastinum | SAG                | PACS       | Sagittal MPR    |
| <b>Recon 5</b> | Radial Range | 15 x 360 degree   | Br36      | 2      | Mediastinum | AXIAL MIP (VRT)    | PACS       | None            |
| <b>Recon 6</b> | Lung CAD     | 1.0 x 0.7         | Br60      | 2      | Lung        | LUNG CAD           | PACS       | None            |

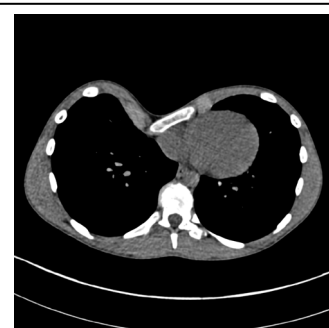
This protocol is used to assess for pectus excavatum which is a deformity of the anterior wall of the chest involving several ribs and the sternum. The abnormality produces a caved-in or sunken appearance of the chest.

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

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

**Recons and Reformations:** Coronal and sagittal MPRs.

**3D:** Remove scapulae and create VR 360 degree spin. See post processing instructions for further detail.



Cross sectional scan of chest with pectus excavatum