Sternum Criteria

PA Oblique (RAO) **marker** on anatomical side

- Manubrium , SC joints, sternum and xiphoid seen over heart shadow
- No superimposition of vertebral column over sternum
- Mid-sternum in center of exposure field

Lateral **marker** on anterior side, upper corner

- Manubrium, sternal body and xiphoid in profile
- No anterior ribs superimposed over sternum
- No superimposition by humeral heads or soft tissue
- Jugular notch, sternum and xiphoid in exposure field

Rib Criteria

AP or PA ribs (Upper) **marker** on anatomical side, upper corner

- Thoracic vertebrae-rib articulations demonstrated
- Half of vertebral column seen
- Medial end of clavicle is seen adjacent to the lateral edge of the vertebral column
- Scapula moved off of lung field
- Ribs 1-9 above diaphragm

Lower ribs **marker** on anatomical side, lower corner

- Thoracic vertebrae-rib articulations demonstrated
- Half of vertebral column seen
- Arm moved off of side to exclude soft tissue

- Ribs 8-12 demonstrated, 10-12 below diaphragm
- 10^{th} rib is seen approximately in center of the exposure field

Oblique ribs **marker** on anatomical side upper corner for upper ribs, lower corner for lower ribs

- Costo-vertebral joints seen at vertebral column
- Axillary ribs demonstrated without foreshortening
- Ribs 1-8 above diaphragm (for upper)
- Ribs 8-12 demonstrated, 9-12 below diaphragm(for lower)