Lines & Stripes

- Lines include anterior and posterior junction lines
- Less than 1mm in thickness formed by air outlining intervening soft tissue
- Stripes are thicker, i.e. paratracheal stripes
- Interfaces: paraspinal lines, azygosophageal recess

Anterior Junction Line

- 4 layers of pleura between RUL and LUL where they meet anterior to Ao and Main PA
  - Superior border - innominate veins
  - Inferior border - base of heart
**Posterior Junction Line**

- Pleura between RUL and LUL behind esophagus, anterior to spine
  - Cephalad to anterior junction line
  - Begins superiorly at the level of upper spine, continues vertically to azygous lobe and aortic arch

**Inferior Posterior Junction Line**

- Rarely seen
- Where RLL and LLL meet between distal esophagus and spine
- Sign of hyperinflation

**Right Paratracheal Stripe**

- Where RUL contacts right lateral tracheal wall
- Formed from tracheal wall, paratracheal soft tissues/lymph nodes, 2 layers of pleura
**Left Paratracheal Stripe**
- Where LUL contacts right lateral tracheal wall or adjacent mediastinal fat
- Formed from tracheal wall, paratracheal soft tissues/lymph nodes, 2 layers of pleura

**Aortic-Pulmonary Stripe**
- Where anterior LUL contacts and tangentially reflects over the mediastinal fat anterolateral to the left pulmonary artery and aortic arch

**Invasive Thymoma**

**Aortic-Pulmonary Window**
- Where anterior LUL contacts and tangentially reflects over the mediastinal fat anterolateral to the left pulmonary artery and aortic arch
- Aortic-Pulmonary Window
- Paraspinal Lines
- Extramedullary Hematopoiesis
Azygoesophageal Recess
- Interface between RLL and esophagus/periesophageal tissues
- Obliquely oriented, overlying thoracic spine
- Should be straight or concave, except at level of inferior pulmonary veins

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Azygous Vein
- At T4-T5 drains into posterior SVC
- Just above RUL bronchus
- Diameter affected by positioning and intrathoracic pressure
- Muller maneuver (forced inspiration against closed glottis) will inc. diameter

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Posterior Wall of the Bronchus Intermedius